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UNITED STATES
DEPARTMENT OF AGRICULTURE

Miscellaneous Publication No. 60

Issued November 1929

Revised up to January 2, 1942

SEE REVISED
EDITION

List of
Available Publications

of the

United States
Department of Agriculture

+

Arranged by Subjects

Library, U. S. Department of Agriculture
Washington, D. C.



Compiled by

FRED L. ZIMMERMAN and PHYLLIS R. READ

Division of Publications

Office of Information

WAR GUIDE

(1942)

▲▲ Vital subjects

▲ Most inclusive bulletins on subject—(Select others according to need)

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INTRODUCTION

The publications of the Department of Agriculture are intended primarily for the use of farmers and persons whose work is in the field of agriculture or home-making. However, many of them are of distinct value for teaching purposes.

This list contains the available printed publications issued by the Department. They are grouped together according to the subjects that they cover. A detailed subject index is found on page 201. Department of Agriculture publications are all on file in the libraries listed on page 16.

A free mailing list is maintained for the use of persons interested in knowing when new publications become available. *See the Monthly List of Publications, page 14.* Officials and scientists who are not interested in publications on all subjects may have their names added to a separate mailing list to receive notices of issuance of publications relating to their specific line of work. *See Announcement Slips, page 10.*

The Department of Agriculture has many kinds of reference material available for its use and will be glad to answer inquiries on agricultural subjects not covered by the printed matter listed. Write to the Office of Information, United States Department of Agriculture, Washington, D. C.

The Department of Agriculture wishes to give all possible help to farmers who are participating in production for wartime needs and to new farmers. However, before ordering a large number of publications, it is suggested that a county agent or the State Director of Extension Work be consulted. They are qualified to give advice on the regions that they represent and will be glad to help select the publications that will be most useful. They will also supply the address of the local United States Department of Agriculture War Board. The office of the county agent is usually located at the county seat. The Director of Extension Work can be reached at the State agricultural college. Prospective farmers are advised to write to the Bureau of Agricultural Economics of this Department for information on buying or renting a farm.

HOW TO ORDER FREE PUBLICATIONS

At the time this list was sent to the printer there was a free supply as well as a sales supply of all publications not marked by a star (*). The Department regrets that in the interest of economy it cannot furnish an unlimited number of free publications for use as textbooks, or even for the use of individuals who need them.

United States Department of Agriculture.

No publications will be sent direct to students. In order to make the distribution as equitable as possible it is necessary to limit the number of free publications available to each individual to 10 nontechnical bulletins at one time. However, they will be sent free in larger amounts, insofar as possible, to all State and Federal Government agencies, libraries, and to teachers, if they are ordered sent to an official address. Read the instructions enumerated below carefully.

If more than 10 free publications are needed the additional copies may be bought. Prices are shown for all publications, whether free or for sale only, to allow for the purchase of any publications needed in excess of the 10 sent free by the Department and of those of which the free supply becomes exhausted after this list goes to press. *See How To Order Publications For Sale Only, p. 3.*

NOTE.—Four-fifths of the free editions of the series known as Farmers' Bulletins are allotted to Members of Congress for such distribution as they wish to make. Therefore it is often possible to obtain more free copies of this series than the usual 10 that the Department can furnish by applying to a United States Senator or Representative.

READ CAREFULLY—

1. Write to the Division of Publications, Office of Information, United States Department of Agriculture, Washington, D. C., for *free* publications unless otherwise instructed.

2. Write your name and address plainly on your letter and the envelope. Be sure that you have given the correct street address or rural route number.

3. Do not ask for more publications than you are entitled to.

4. Give both the series number and title of the bulletins you order and list each series numerically.

SAMPLE ORDER—

- 1377 F. Marketing poultry.
- 1633 F. Window curtaining.
- 1722 F. Growing alfalfa.
- 73 C. The cold storage of eggs and poultry.
- 218 C. The Break O'Day tomato.
- 461 C. Two new varieties of sugar cane for sirup production.
- 1658 Y. Water relations of soils.
- 1698 Y. The nutrition of very young animals.
- 1719 Y. Pasture and range in livestock feeding.
- 2 L. Cutworms in the garden.

5. No postage is required for mailing publications within the United States or to Alaska; Bolivia, S. A.; Canada; Chile, S. A.; Colombia, S. A.; Costa Rica, C. A.; Cuba; Dominican Republic; Ecuador, S. A.; El Salvadore, C. A.; Guam; Guatemala, C. A.; Haiti; Hawaii; Honduras, C. A.; Mexico; Newfoundland (including Labrador); Nicaragua, C. A.; Panama Canal Zone; Panama, C. A.; Paraguay, S. A.; Peru, S. A.; Philippine Islands; Puerto Rico; Samoa; Uruguay, S. A.; Venezuela, S. A.; Virgin Islands.

United States Department of Agriculture.

HOW TO ORDER PUBLICATIONS FOR SALE ONLY 3

Exception.—It is suggested that postage be enclosed for special delivery or air mail when publications are desired on short notice. It usually requires at least 2 weeks for publications to be sent through regular channels. Additional time and postage should be allowed for long distances. An average bulletin weighs 3 ounces.

6. Do not return this list when ordering.

7. Send separate orders for free publications and those for sale only.

HOW TO ORDER PUBLICATIONS FOR SALE ONLY

All publications marked by a star (*) are for sale only at the prices indicated. With certain exceptions quantities (more than 10) of all free publications must also be purchased at the prices given from the Superintendent of Documents, Government Printing Office, Washington, D. C. Read the instructions enumerated below carefully.

Important.—Do not send money to the Department of Agriculture. The Department does not sell any of its publications. The law governing the printing and distribution of Government publications provides that the Superintendent of Documents, Government Printing Office, shall have printed *for sale only* any publication for which there is a demand that cannot be filled free by the Department issuing it.

READ CAREFULLY—

1. Send your order and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

2. Do not send money to the Department of Agriculture for publications.

3. A discount of 25 percent is allowed to book dealers and on all orders for 100 or more publications no condition that they shall not be overprinted with any advertising matter. There is no restriction on the number of publications that one may buy. However, if they are bought for resale, they must be sold at the prices quoted by the Government Printing Office.

4. Payment must be made *in advance*.

5. Payment should be made by Government Printing Office coupons that are sold in sets of 20 for \$1 and good until used, or by check or money order made payable to the Superintendent of Documents. *Currency is sent at the sender's risk.*

6. Remittances from foreign countries should be made by international money order, or draft on an American bank, payable to the Superintendent of Documents, Government Printing Office, Washington, D. C., U. S. A.

7. Postage stamps, foreign money, and defaced or smooth coins are not acceptable.

8. No postage is required for mailing publications within the United States or Alaska; Bolivia, S. A.; Canada; Chile, S. A.; Colombia, S. A.; Costa Rica, C. A.; Cuba; Dominican Republic; Ecuador, S. A.; El Salvadore, C. A.; Guam; Guatemala, C. A.; Haiti; Hawaii; Honduras, C. A.; Mexico; Newfoundland (in-

cluding Labrador); Nicaragua, C. A.; Panama Canal Zone; Panama, C. A.; Paraguay, S. A.; Peru, S. A.; Philippine Islands; Puerto Rico; Samoa; Uruguay, S. A.; Venezuela, S. A.; Virgin Islands. For mailing to all other countries an additional amount of about one-third of the sales price is required and should be added to your remittance.

9. Give both the series number and title of the bulletins you order and list each series numerically. *See* Sample order, page 2, paragraph 4.

10. Do not return this list when ordering.

11. Send separate orders for free publications and those for sale only.

DESCRIPTIONS OF SERIES

AGRICULTURAL STATISTICS

This publication is issued once a year. It contains detailed analytical statistics on agriculture. Prior to 1936, agricultural statistics were incorporated in the agricultural yearbook.

ANNUAL REPORTS

Annual Reports give the progress of the work of the Bureau or Office concerned for the years indicated. *See* list, page 61.

BAE-EXT FLIERS

This series consists of picture fliers designed to stimulate interest in the land-use planning program and related activities.

CIRCULARS

Circulars are semitechnical publications that describe the methods, equipment, and observations necessary for the control of diseases, insects, and parasites of plants and animals. The culture and marketing of crops, including any new varieties that are developed, are also described in this series. Circulars supersede the series known as Department Circulars.

CONSERVATION FOLDERS

This series of folders describing practices that help conserve soil and moisture resources was prepared for farmers and ranchers of the Northern Great Plains.

COUNTY PLANNING SERIES

This series presents concise discussions of land use planning and related topics, written for the laymen and designed particularly for members of county and community land use planning committees.

DEPARTMENT BULLETINS

See Technical Bulletins, page 7.

DEPARTMENT CIRCULARS

See Circulars, above.

United States Department of Agriculture.

DISCUSSION SERIES

This is a series of subject-matter pamphlets intended to encourage widespread discussion of the farm program and to set forth the issues which farmers themselves will finally have to settle. DN-1, -2, and -4, and D-3 suggest the manner in which discussions should be carried on.

EROSION SURVEY REPORTS

This series of detailed land reconnaissance surveys was inaugurated in 1938 to provide recommendations for the use of land according to its capabilities and the most effective conservation methods for the farming areas, watersheds, and demonstration areas throughout the country. The surveys and the accompanying maps cover soil types, slopes, erosion, and present land use. By grouping these factors with other related information, the land is classified according to its capability for agricultural use. Agricultural workers and farmers can determine from them the use to which the land is best adapted and the amount of protection necessary to maintain or improve its productivity. *See list, page 170.*

Future reports in this series will be called "Physical Land Surveys."

FARM CREDIT ADMINISTRATION BULLETINS

These bulletins give comprehensive results of the research studies of the Farm Credit Administration. They relate to problems of management, organization, policies, merchandising, sales, costs, competition, and membership arising in connection with the cooperative marketing of agricultural products and the cooperative purchasing of farm supplies and services. *See list, pages 194-195.*

FARM CREDIT ADMINISTRATION CIRCULARS "A"

The "A" series contains a miscellaneous assortment of speeches and other informative material. *See list, page 195.*

FARM CREDIT ADMINISTRATION CIRCULARS "C"

This series presents in popular style the results of research studies by the Farm Credit Administration. It contains numerous illustrations. It is less involved than the detailed Farm Credit Administration Bulletin series and is designed for a wider readership. *See list, page 195.*

FARM CREDIT ADMINISTRATION CIRCULARS "E"

This series is commonly referred to as "You and Your Co-op" circulars. They were prepared especially for the use of teachers and students of vocational agriculture studying farmers' cooperatives, for members of cooperatives, and extension workers active in promoting cooperative endeavors. *See list, page 196.*

FARM CREDIT ADMINISTRATION LEAFLETS

This series contains eight-page summaries of Farm Credit Administration research bulletins. They are easy to read and direct to the point. *See* list, page 196.

FARM CREDIT ADMINISTRATION POPULAR CIRCULARS

This series describes in an easily understood manner the functions and services of the various units under the supervision of the Farm Credit Administration. *See* list, page 196.

FARMERS' BULLETINS

Farmers' Bulletins cover a wide range of subjects of interest primarily to farmers, homemakers, or gardeners. They are written in popular language and usually contain pictures illustrating the methods discussed.

FEDERAL CROP INSURANCE INFORMATION SERIES

This series includes crop insurance pamphlets covering both technical and nontechnical phases of the crop insurance program together with the principles and fundamentals of crop insurance protection. They are designed for appeal not only to farm and other special groups, but also to the general public. This series supersedes an earlier series known as General Information Series (Federal Crop Insurance Corporation). *See* list, page 179.

**GENERAL INFORMATION SERIES (AGRICULTURAL
ADJUSTMENT AGENCY)**

This series of bulletins is published for the general public as well as farmers and is of a nontechnical nature. The subject matter is usually on the philosophy, background, and broader phases of the A. A. A. program. Some of the bulletins are adapted from speeches of key people in the Agricultural Adjustment Agency and the other branches of the Department. *See* list, page 177-178.

**GENERAL INFORMATION SERIES (FEDERAL CROP
INSURANCE CORPORATION)**

See Federal Crop Insurance Information series above.

HYDROLOGIC BULLETINS

Hydrologic Bulletins present basic hydrologic data collected at various watersheds throughout the country at which problems relating to soil and water conservation are studied. These studies are intended to determine the effect of agricultural land use practices on soil and water conservation and on floods. This information is to be consulted for the economic design of erosion control, flood control, and hydraulic structures used in the soil and water conservation program, and it is expected to provide the basis for accurate estimates on the magnitude of the run-off that must be handled by the engineering and hydraulic structures used in water-facilities and in soil and water conservation operations.

LEAFLETS

Leaflets carry popular material of the same general character as the Farmers' Bulletin series except that

they are briefer and more specific since they are limited to eight pages.

MARKETING INFORMATION SERIES

The Marketing Information Series includes the publications relating to the marketing agreement and surplus removal activities. *See* list, page 182.

MISCELLANEOUS CIRCULARS

See Miscellaneous Publications below.

MISCELLANEOUS PUBLICATIONS

This series includes both technical and nontechnical publications that do not conform to the size specified for the other series, or that contain subject matter that is of temporary interest to the public. Miscellaneous Publications supersede the series known as Miscellaneous Circulars.

PRODUCER-CONSUMER LEAFLETS

This series contains nontechnical information concerning producer-consumer problems and is convenient for use in discussion groups—particularly rural-urban groups although it was prepared for general distribution. *See* list, page 178.

PUERTO RICO EXPERIMENT STATION PUBLICATIONS

In general the Puerto Rico Experiment Station bulletins contain technical material and the circulars more popular information on the subjects treated.

SEPARATES FROM AGRICULTURAL STATISTICS

These pamphlets are reprinted from the annual volume of agricultural statistics. They contain information on specific subjects that is identical to that printed in the complete volume. *See* Agricultural Statistics, page 4.

SOIL SURVEYS

Soil Surveys consist of two parts: (1) A brief description of the area surveyed—its climate, agricultural practices, and a detailed description of its soils; (2) A colored map showing the extent and distribution of the different soils in the area. *See* complete list of available soil surveys, pages 184-194.

STATISTICAL BULLETINS

This series consists mainly of tables giving statistics on one or more closely related agricultural commodities. They contain, insofar as possible, statistics of foreign and domestic production and marketing, including movement from the farm, receipts at principal markets, reshipments, farm and market prices, and exports and imports. They are of particular interest to persons actually engaged in marketing, or any business affected by agricultural production and marketing.

TECHNICAL BULLETINS

Technical Bulletins contain the results of the research work carried on by the Department of Agriculture and

United States Department of Agriculture.

8 SERVICE AND REGULATORY ANNOUNCEMENTS

its cooperators. They are written in technical language and are intended chiefly for distribution to scientists and specialists in the fields studied. Usually a comparatively small edition is printed which limits the number of copies that are available for free distribution. This series supersedes the series known as Department Bulletins.

YEARBOOKS

For several years prior to 1936 the Yearbook was made up of detailed agricultural statistics and of brief summaries of new developments in agriculture. Two separate volumes are now issued each year, one containing detailed analytical statistics on agriculture, *see* Agricultural Statistics, page 4; and the other containing articles on current agricultural problems and research findings. Each edition is devoted to a specific subject. *See* complete list of available yearbooks, page 63.

The 1936 and 1937 Yearbooks discuss new forms developed through plant and animal breeding. The 1938 Yearbook, "Soils and Men," discusses the soil problem which has been examined from every possible angle to discover man's debt and duty to the soil. The 1939 Yearbook, "Food and Life," is devoted to human and animal nutrition. The 1940 Yearbook, "Farmers in a Changing World," has to do with the social sciences as they relate to agriculture and the farm—economics, history, finance, sociology, social psychology, anthropology, education, and political science. The 1941 Yearbook, "Climate and Man," carries on the work of the preceding volumes, each of which has covered some major aspect of science fundamental to the use of our agricultural resources. Although the Weather Bureau was transferred from the Department of Agriculture to the Department of Commerce in a Governmental reorganization that took place after this book was under way, work on it was continued because no series of volumes on science in agriculture could be complete without including one on weather and climate.

YEARBOOK SEPARATES

Yearbook separates are articles reprinted from the agricultural yearbooks. They contain information on specific subjects that is identical to that printed in the yearbooks.

SERVICE AND REGULATORY ANNOUNCEMENTS

AGRICULTURAL MARKETING ADMINISTRATION

Content.—Publications in this series of announcements contain specifications of standards for cotton, livestock, meats, wool, poultry, eggs, dairy products, canned fruits and vegetables, apples, potatoes, and tobacco. They also include rules and regulations of the Secretary of Agriculture governing the inspection and certification of farm products, and rules and regulations for the enforcement of the following: Cotton Futures Act, Cotton Standards Act, Export Apple and Pear Act, Federal Seed Act, Grain Standards Act, Insecticide Act, Naval Stores Act, Packers and Stockyards Act,

Produce Agency Acts, Standard Container Acts, Tobacco Inspection Act, and the Warehouse Act.

Distribution is free. A mailing list to receive copies of this series as issued is maintained for the use of persons interested in regulatory work. Single copies are also available. See list, pages 180-181. Apply to the Agricultural Marketing Administration, United States Department of Agriculture, Washington, D. C.

AGRICULTURAL RESEARCH ADMINISTRATION

Bureau of Animal Industry

Content.—The Bureau of Animal Industry issues one announcement monthly, supplemented by a yearly index, for the dissemination of information, instructions, and rulings concerning the work of the Bureau. This announcement also contains statistical information on Federal meat inspection, the progress of animal-disease-control campaigns, and the administration of livestock laws.

Free distribution is limited to Department of Agriculture officials, establishments where inspection work is conducted, certain public officers, and journals especially concerned. Apply to the Bureau of Animal Industry, Agricultural Research Administration, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 5¢ each; domestic subscription, 25¢ a year; foreign subscription, 60¢ a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Bureau of Entomology and Plant Quarantine

Content.—The Bureau of Entomology and Plant Quarantine issues quarterly, as Service and Regulatory Announcements, quarantines, regulations, and related matter issued during the period covered. The quarantines and regulations are promulgated by the Secretary of Agriculture under the Plant Quarantine Act of 1912 to protect our agriculture from the introduction and dissemination of injurious insects and plant diseases.

Distribution is free. A mailing list to receive copies of this series as issued is maintained for the use of Department of Agriculture workers and cooperators, agricultural experiment stations, State agricultural colleges, libraries, and the press. Single copies are also available. For list of available quarantines and regulations, see page 183. Apply to the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, United States Department of Agriculture, Washington, D. C.

PERIODICAL PUBLICATIONS AND MAILING LISTS

The following descriptions of the printed periodicals issued by the Department of Agriculture and the mailing lists maintained give a brief outline of the kind of information each contains. With a few exceptions the free distribution of periodicals is very limited. Anyone who wishes to have his name added to a free list should furnish a description of the nature of his work with his application. Persons not entitled to receive free subscriptions may buy them according to the instructions given for each periodical.

United States Department of Agriculture.

▲▲ AGRICULTURAL SITUATION

Content.—This publication contains very brief summaries and a limited number of tables showing the price and production situations for the more important farm products. Brief articles dealing with the current economic problems of agriculture are also included. This publication is designed primarily for those interested in agriculture from a general nontechnical standpoint. Particular stress is now laid on the war production program. It is usually 24- or 32-pages long and is issued the first week of each month.

Free distribution is limited to Department of Agriculture workers and cooperators, agricultural experiment stations, State agricultural colleges, libraries, and the press. Apply to the Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 5¢ each; domestic subscription, 50¢ a year; foreign subscription, 70¢ a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

▲▲ AGRICULTURE IN THE AMERICAS

Content.—This monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere, particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

Free distribution is limited. See introductory paragraph concerning Periodical Publications and Mailing Lists, above. Apply to the Office of Foreign Agricultural Relations, U. S. Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 10¢ each; domestic subscription, 75¢ a year; foreign subscription, \$1.20 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

ANNOUNCEMENT SLIPS

Content.—Announcement Slips are notices of the issuance of new publications. They are sent to officials and scientists interested in new publications relating only to specific lines of work. Persons wishing to receive notices of the issuance of publications on a variety of subjects should ask for the Monthly List of Publications. See page 14.

Distribution is free. However, it is restricted to officials and scientists whose work entitles them to this service. Applicants should furnish a description of their work with their request. Apply to the Office of Information, United States Department of Agriculture, Washington, D. C.

▲▲ CONSUMERS' GUIDE

Content.—Consumers' Guide is an illustrated bulletin published once a month during June, July, August,

United States Department of Agriculture.

and September, and twice a month during the rest of the year. It contains articles and statistics designed to help rural and urban consumers to understand the purposes and operation of the farm programs; to report on changes in the costs and sales prices of farm commodities; to help consumers buy wisely and economically; and to keep them informed concerning the efforts of individuals and consumer groups to obtain for them the greatest possible value for the money they spend.

Free distribution is limited. The maximum number of names that may be added to the free subscription list is 150,000. Preference will be given to individuals who are actively working on, or studying, consumer buying problems, and to Federal, State, and local government staffs, libraries, radio commentators, the press, and those having a special interest in consumer welfare. Whenever there are vacancies on the official list, requests from other persons are accepted. Apply to the Consumers' Counsel Division, Agricultural Marketing Administration, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 5¢ each; domestic subscription, 50¢ a year; foreign subscription, 80¢ a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

COOPERATIVE SAVING WITH FEDERAL CREDIT UNIONS

Content.—This periodical contains information required by Federal credit unions in their operations, and suggestions designed to enable them to function more effectively. It is issued bimonthly and is illustrated.

Free distribution is limited to Federal Credit Unions. Apply to the Farm Credit Administration, United States Department of Agriculture, 212 West 14th Street, Kansas City, Missouri.

Sales distribution.—Single copies, 10¢ each; domestic subscription, 50¢ a year; foreign subscription, 60¢ a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

▲▲ CROPS AND MARKETS

Content.—Crops and Markets is printed monthly. It carries the monthly crop report, and market statistics on livestock, meats, wool, dairy and poultry products, grain, feed and seed, and cotton. It also carries prices received by farmers, intentions-to-plant-and-breed reports, and special material of a marketing and economic nature.

Free distribution is limited to Department of Agriculture workers and cooperators, agricultural experiment stations, staff members of agricultural colleges, agricultural libraries, and the press. Apply to the Agricultural Marketing Administration, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 10¢ each; domestic subscription, \$1 a year; foreign subscription, \$1.50 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

▲▲ EXPERIMENT STATION RECORD

Content.—Experiment Station Record is a technical review of the scientific literature on agriculture and home economics. It gives special attention to the contributions of the State agricultural experiment stations and the United States Department of Agriculture and their relation to the War. It is especially designed for the use of research workers, teachers, extension specialists, and others who wish to keep current on new agricultural and home economics information, and is a source of reference for ascertaining the progress of research in these fields since it began publication in 1889.

Two volumes, each consisting of six monthly numbers and an index of names and subjects, are issued each year. Each volume normally contains about 3,500 abstracts of current research on agriculture and home economics. Monthly editorials and brief news notes on the progress of agricultural education and research are also included. In addition to the indexes included in each volume, combined subject indexes are usually issued at 5-year intervals.

Free distribution is restricted mainly to workers of the Department of Agriculture, agricultural colleges, agricultural experiment stations, and similar institutions, and to libraries and exchanges. Apply to the Office of Experiment Stations, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Monthly numbers, 15¢ each; domestic subscription, \$1 per volume, \$2 a year; foreign subscription, \$1.75 per volume, \$3.50 a year. The following combined subject indexes are also available:

Volumes 1-12, 50¢	Volumes 51-60, 60¢
26-40, 75¢	61-70, 75¢
41-50, \$1.25	

Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

▲▲ EXTENSION SERVICE REVIEW

Content.—The Extension Service Review is a monthly magazine issued by the Extension Service in the interest of workers and cooperators of the Department of Agriculture who are engaged in extension activities. It contains official statements and other information necessary to the performance of their duties.

Free distribution is limited to extension workers. Apply to the Extension Service, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 10¢ each; domestic subscription, \$1.00 a year; foreign subscription, \$1.40 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

FARM CREDIT QUARTERLY

Content.—The Farm Credit Quarterly contains statements of the condition of, and comments on, the Federal intermediate credit banks, Federal land banks, Federal Farm Mortgage Corporation, banks for cooperatives, and the production credit system.

United States Department of Agriculture.

Distribution is free to individuals and institutions interested in the contents of this publication. Apply to the Farm Credit Administration, United States Department of Agriculture, 212 West 14th Street, Kansas City, Missouri.

▲▲ FIRE CONTROL NOTES

Content.—This periodical contains contributions from Forest Service officials, State forestry workers, and private cooperators, showing the results of their research and experience in the control of forest fires. It is issued quarterly. The articles published report current thought and experience in the field of forest fire control.

Free distribution is limited to Forest Service workers, State forestry workers, and private cooperators. Apply to the Forest Service, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 15¢ each; domestic subscription, 50¢ a year; foreign subscription, 70¢ a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

▲▲ FOREIGN AGRICULTURE

Content.—Foreign Agriculture is a 48-page monthly periodical. It contains articles on foreign government policies relating to agriculture, foreign agricultural production, and international trade in agricultural products. These articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. The publication is designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Free distribution is limited. See introductory paragraph concerning Periodical Publications and Mailing Lists, page 9. Apply to the Office of Foreign Agricultural Relations, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 10¢ each; domestic subscription, \$1.00 a year; foreign subscription, \$1.60 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

JOURNAL OF AGRICULTURAL RESEARCH

Content.—The Journal of Agricultural Research is a semimonthly publication containing articles on technical agricultural research carried on by the United States Department of Agriculture or the State experiment stations, or both cooperatively. It is therefore of primary interest only to agricultural scientists and advanced students of agriculture.

Free distribution is limited to certain libraries and to institutions or departments doing research work. Apply to the Office of Information, United States Department of Agriculture, Washington, D. C.

United States Department of Agriculture.

Sales distribution.—Domestic subscription is \$3.25 a year, or 15¢ a single number. Foreign subscription is \$4.75 a year, or 20¢ a single number. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Separates From the Journal of Agricultural Research

Content.—Each article in the Journal is reprinted as a "separate."

Free distribution is limited to the staff and cooperators of the originating bureau or station. However, anyone who so desires may have his name placed on a free mailing list to receive notice of issuance of articles on the subjects in which he is interested. Requests to be placed on this list should specify the subjects concerning which the applicant wishes to keep informed. This list is maintained by the Office of Information, United States Department of Agriculture, Washington, D. C.

Sales distribution.—These separates must be ordered in advance of printing. They sell for 5¢ a copy. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

▲▲ LAND POLICY REVIEW

Content.—The Land Policy Review is a monthly publication devoted to agricultural policy and land use planning. Its purpose is to provide a general journal of opinion and discussion for those in the Department and in cooperating State and Federal agencies whose work is related to economic research and planning, with special emphasis now on war and post-war situations.

Free distribution is limited to workers in the Department and to members of other Federal and State agencies concerned with this program and its related fields. Apply to the Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 5¢ each; domestic subscription, 50¢ a year; foreign subscription, 75¢ a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

MONTHLY LIST OF PUBLICATIONS

Content.—The Monthly List of Publications is issued approximately on the twentieth day of each month. It gives the title and issuing bureau or office of each publication issued by the Department during the preceding month.

Distribution is free. This list will be sent free to anyone who requests it. Apply to the Office of Information, United States Department of Agriculture, Washington, D. C.

▲▲ NEWS FOR FARMER COOPERATIVES

Content.—News for Farmer Cooperatives contains interpretative and informative articles by research workers and other leaders in agricultural cooperation. It relates to such problems as management, organization, policies,

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merchandising, sales, costs, competition, and membership of farmers' cooperatives. It is issued monthly and is illustrated.

Free distribution is limited to cooperative associations, public institutions, and persons primarily concerned with furthering the cooperative movement among farmers. Apply to the Farm Credit Administration, United States Department of Agriculture, Washington, D. C.

Sales distribution.—Single copies, 10¢ each; domestic subscription, \$1 a year; foreign subscription, \$1.40 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

NOTICES OF JUDGMENT

Content.—Notices of judgment give the essential facts of seizure and prosecution cases brought under the Insecticide Act of 1910. Notices are not issued at specific intervals but are published in groups after the termination of the cases in court.

Distribution is free. Persons wishing to receive notices of judgment in regard to insecticides and fungicides may have their names placed on the mailing list by applying to the Agricultural Marketing Administration, United States Department of Agriculture, Washington, D. C.

▲▲ RURAL ELECTRIFICATION NEWS

Content.—The Rural Electrification News is a summary of rural electrification activities, both public and private, throughout the United States. It contains feature articles, pictures, technical discussions, news items, and seasonal articles on the use of electrical farm equipment. It is issued monthly.

Free distribution is limited to workers in the Department and to members of other Federal and State agencies active in the field of rural electrification as well as to libraries, educational institutions, and the press. Apply to the Rural Electrification Administration, United States Department of Agriculture, St. Louis, Missouri.

Sales distribution.—Single copies, 10¢ each; domestic subscription, 75¢ a year; foreign subscription, \$1.15 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

▲▲ SOIL CONSERVATION

Content.—This periodical contains technical articles and current information on soil conservation. It is a monthly publication designed particularly for the use of workers and cooperators of the Department engaged in soil conservation activities.

Free distribution is limited to workers and official cooperators of the Department engaged in soil conservation activities, to libraries, agricultural colleges, experiment stations, and similar institutions, exchanges, and the press. Apply to the Soil Conservation Service, Agricultural Conservation and Adjustment Administration, United States Department of Agriculture, Washington, D. C.

United States Department of Agriculture.

Sales distribution.—Single copies, 10¢ each; domestic subscription, \$1 a year; foreign subscription, \$1.50 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington, D. C.

LIBRARIES

The following libraries automatically receive copies of all Department of Agriculture publications as they are issued. Anyone may consult them during library business hours. In addition to the libraries listed most large libraries throughout the country have Department of Agriculture publications on file.

State	City	Name of Library
Alabama	Birmingham	Public Library.
	Montgomery	Department of Archives and History Library, State Capitol.
Arizona	University	University of Alabama Library.
	Phoenix	Department of Library and Archives.
Arkansas	Tucson	University of Arizona Library.
	Fayetteville	University of Arkansas Library.
California	Berkeley	University of California Library.
	Claremont	Pomona College Library.
	Eureka	Eureka Free Library.
	Fresno	Fresno County Free Library.
	Los Angeles	Los Angeles Public Library.
	Sacramento	California State Library.
	San Francisco	San Francisco Public Library.
Colorado	Stanford University	Stanford University Library.
	Boulder	University of Colorado Library.
	Fort Collins	Colorado State College of Agriculture and Mechanic Arts Library.
Connecticut	Hartford	Connecticut State Library.
	do	Trinity College Library.
	Middletown	Wesleyan University Library.
	New Haven	Yale University Library.
Delaware	Storrs	University of Connecticut.
	Wilmington	Wilmington Inst. Free Library.
District of Columbia	Washington	The Library of Congress.
Florida	Coral Gables	University of Miami Law Library.
	Gainesville	University of Florida Library.
Idaho	Moscow	University of Idaho Library.
	Pocatello	University of Idaho Library Southern Branch.
Illinois	Chicago	Chicago Public Library, Document Department.
	do	John Crerar Library.
	do	University of Chicago Libraries.
	Evanston	Northwestern University Library.
	Springfield	Illinois State Library.
Indiana	Urbana	University of Illinois Library.
	Bloomington	Indiana University Library.
	Fort Wayne	Public Library.
	Indianapolis	Indiana State Library.
Iowa	Grinnell	Grinnell College Library.
	Iowa City	State University of Iowa Library.
Kansas	Lawrence	University of Kansas Library.
Kentucky	Louisville	Louisville Free Public Library.
Louisiana	University	Louisiana State University Library.

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State	City	Name of Library
Maine	Orono	University of Maine Library.
Maryland	Baltimore	Enoch Pratt Free Library.
	do	Johns Hopkins University Library.
Massachusetts	Boston	Boston Public Library.
	do	State Library of Massachusetts.
	Cambridge	Littauer Center, Harvard University Library.
	Worcester	Free Public Library.
Michigan	Ann Arbor	University of Michigan General Library.
	Detroit	Public Library.
	Grand Rapids	Grand Rapids Public Library.
Minnesota	Minneapolis	University of Minnesota Library.
	St. Paul	Minnesota State Library.
	do	St. Paul Public Library.
Mississippi	University	University of Mississippi Library.
Missouri	Kansas City	Kansas City Public Library.
	St. Louis	St. Louis Public Library.
Montana	Helena	Helena Public Library.
Nebraska	Omaha	Municipal University of Omaha Library.
New Jersey	New Brunswick	Rutgers University Library.
	Trenton	New Jersey State Library.
New Mexico	Albuquerque	University of New Mexico Library.
New York	Albany	New York State Library.
	Brooklyn	Brooklyn Public Library, Montague Branch.
	New York	College of the City of New York Library.
	do	Columbia University Library, South Hall.
	do	New York Public Library, Astor Branch.
	do	New York Public Library, Lenox Branch.
	Ithaca	Cornell University Library.
	Schenectady	Union College Library.
North Carolina	Chapel Hill	University of North Carolina Library.
	Greensboro	Agricultural and Technical College Library.
	Raleigh	North Carolina State College Library.
	Washington	Public Schools Library.
Ohio	Bowling Green	Bowling Green State College Library.
	Cincinnati	Public Library.
	Cleveland	Adelbert College Library of Western Reserve University.
	do	Cleveland Public Library.
	Columbus	Ohio State Library.
	do	Ohio State University Library.
	Dayton	Dayton Public Library.
	Oberlin	Oberlin College Library.
	Oxford	Miami University Library.
	Toledo	Toledo Public Library.
Oklahoma	Durant	Southeastern Teachers College Library.
	Norman	University of Oklahoma Library.
	Oklahoma City	Oklahoma State Library.
	Stillwater	Agriculture and Mechanical College Library.
Oregon	Portland	Library Association of Portland.
	Salem	Oregon State Library.
Pennsylvania	Allentown	Muhlenberg College Library.
	Harrisburg	Pennsylvania State Library.
	Philadelphia	Free Library of Philadelphia, Middle City District.
	Pittsburgh	Carnegie Library.
	Reading	Reading Public Library.
	State College	Pennsylvania State College Library.

State	City	Name of Library
Rhode Island	Providence	Rhode Island State Library.
South Carolina	Clemson	Clemson College Library.
South Dakota	Vermilion	University of South Dakota Library.
Tennessee	Knoxville	University of Tennessee Library.
	Nashville	Vanderbilt University Library.
Texas	Austin	Texas State Library.
	Canyon	The West Texas State Teachers College Library.
	Dallas	Dallas Public Library.
	Fort Worth	Fort Worth Public Library.
	Galveston	Rosenberg Library.
	Houston	Houston Public Library.
	Lubbock	Texas Technological College Library.
	San Antonio	Carnegie Library.
Utah	Provo	Brigham Young University Library.
	Salt Lake City	University of Utah Library.
Vermont	Montpelier	Vermont State Library.
Virginia	Richmond	Virginia State Library.
	University	University of Virginia Library.
Washington	Olympia	Washington State Library.
	Pullman	State College of Washington Library.
	Seattle	Seattle Public Library.
	do	University of Washington Library.
West Virginia	Morgantown	West Virginia University Library.
Wisconsin	Milwaukee	Law Library of Milwaukee County.
	do	Milwaukee Public Library.
Wyoming	Laramie	University of Wyoming Library.

▲▲ AGRICULTURAL ECONOMICS

(See also Bureau List: Agricultural Conservation and Adjustment Administration, Bureau of Agricultural Economics, and Farm Credit Administration; and Charts—Maps—Posters)

GENERAL

BAE-Ext. Fliers:

3 BAE-Ext ▲ Peanut oil and the War.

Circulars:

- *258 C. Farmer opinions and other factors influencing cotton production and acreage adjustments in the South. 5¢.
- *312 C. Rural factory industries. 5¢.
- 448 C. An economic study of cattle business on a southwestern semidesert range. 5¢.
- 527 C. Large-scale organization in the dairy industry. 10¢.

Department Bulletins:

- *500 D. The cost of producing apples in western Colorado. 10¢.
- *1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10¢.
- *1455 D. Incomes from farming and cost of apple production in the Shenandoah Valley, Frederick County, Va. 10¢.
- *1480 D. Reliability and adequacy of farm-price data. 15¢.

Discussion Series:

- 18 DS. The national agricultural program—What's it all about?
- 19 DS. Getting at the facts about agriculture: Program building. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Miscellaneous Circulars:

- *32 MC. Practical farm economics. 40¢.

Miscellaneous Publications:

- *95 MP. The world wheat outlook, 1930, and facts that farmers should consider. 10¢.
 171 MP. The crop and livestock reporting service of the United States. 15¢.
 *205 MP. Economic and social problems and conditions of the Southern Appalachians. 50¢.
 260 MP. A graphic summary of physical features and land utilization in the United States. 10¢.
 261 MP. A graphic summary of farm tenure. 10¢.
 262 MP. A graphic summary of farm taxation. 5¢.
 263 MP. A graphic summary of the value of farm property. 5¢.
 264 MP. A graphic summary of farm machinery, facilities, roads, and expenditures. (Based largely on the Census of 1930 and 1935.) 10¢.
 265 MP. A graphic summary of farm labor and population. (Based largely on the Census of 1930 and 1935.) 10¢.
 266 MP. A graphic summary of the number, size, and type of farm, and value of products. 10¢.
 267 MP. A graphic summary of farm crops. (Based largely on the Census of 1930 and 1935.) 15¢.
 268 MP. A graphic summary of agricultural credit. 10¢.
 269 MP. A graphic summary of farm animals and animal products. (Based largely on the Census of 1930 and 1935.) 10¢.
 308 MP. Toward farm security. 10¢.
 321 MP. To hold this soil. 45¢.
 367 MP. Rural population density in the Southern Appalachians. 25¢.
 *421 MP. Atlas of climatic types in the United States, 1900-1939. \$1.25.
 463 MP. A method of estimating the economic effects of planned conservation on an individual farm. 10¢.
 467 MP. ▲The School Lunch Program and agricultural surplus removal. 20¢.

Technical Bulletins:

- 50 T. Factors affecting the price of cotton. 15¢.
 297 T. Factors affecting the price of rice. 5¢.
 *311 T. Adequacy and reliability of crop-yield estimates. 10¢.
 324 T. An economic study of the pecan industry. 10¢.
 *347 T. An economic study of broomcorn production. 5¢.
 *359 T. Farmers' response to price in hog production and marketing. 5¢.
 539 T. Federal seed-loan financing and its relation to agricultural rehabilitation and land use. 10¢.
 619 T. Soybeans in the United States: Recent trends and present economic status. 5¢.
 703 T. Gross farm income and indices of farm production and prices in the United States, 1869-1937. 20¢.
 709 T. Supply responses in milk production in the Cabot-Marshfield area, Vermont. 10¢.
 750 T. Supply responses in milk production in Dodge and Barron Counties, Wis. 15¢.
 751 T. Trends in dairying by major type-of-farming regions. 25¢.
 764 T. Trends in production and foreign trade for meats and livestock in the United States. 10¢.
 789 T. Supply responses in milk production in southeastern Minnesota. 10¢.

Yearbooks:

- *1940 YB. Farmers in a changing World. \$1.50.

Yearbook Separates:

- *846 Y. The cost of a bushel of wheat. (1920.) 5¢
 *877 Y. The cotton situation. (1921.) 15¢.
 *1102 Y. Prices of farm products graphically presented. (1930.) 5¢.
 1727 Y. Farmers in a changing world—A summary. (1940.) 15¢.
 1728 Y. The farmer's changing world. (1940.) 5¢.
 1732 Y. The development of agricultural policy since the end of the World War. (1940.) 10¢.
 1734 Y. The farmer's stake in greater industrial production. (1940.) 10¢.
 1735 Y. The city man's stake in the land. (1940.) 5¢.
 1736 Y. Agriculture today: An appraisal of the agricultural problem. (1940.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Yearbook Separates—Continued.

- 1738 Y. The challenge of conservation. (1940.) 5¢.
 1740 Y. The new range outlook. (1940.) 5¢.
 1743 Y. The influence of technical progress on agricultural production. (1940.) 10¢.
 1744 Y. The place of forests in the farm economy. (1940.) 5¢.
 1745 Y. Acreage allotments, marketing quotas, and commodity loans. (1940.) 5¢.
 1746 Y. The meaning of foreign trade for agriculture. (1940.) 5¢.
 1747 Y. Reciprocal trade agreements—A new method of tariff making. (1940.) 5¢.
 1748 Y. Methods of increasing agricultural exports. (1940.) 5¢.
 1749 Y. The industrial market for farm products. (1940.) 5¢.
 1751 Y. Marketing-agreement programs as a means of agricultural adjustment. (1940.) 5¢.
 1753 Y. Barriers to internal trade in farm products. (1940.) 5¢.
 1757 Y. The transportation problem of agriculture. (1940.) 5¢.
 1768 Y. Beyond economics. (1940.) 5¢.
 1771 Y. Democracy in agriculture—Why and how? (1940.) 5¢.
 1772 Y. The cultural setting of American agricultural problems. (1940.) 10¢.
 *1776 Y. Public information and the preservation of democracy. (1940.) 5¢.
 1781 Y. Some essentials of a good agricultural policy. (1940.) 10¢.

Unnumbered:

- Achieving a balanced agriculture: How the National Farm Program meets the changing problem. 10¢.
 Barriers to internal trade in farm products. 25¢.
 ▲ Economic analysis of the Food Stamp Plan. 20¢.
 ▲ Farmers and the second year of national defense. Technology on the farm. 40¢.

Maps:

- *Geography of the world's agriculture. \$1.00.
 *Atlas of American agriculture: Bound volume, including section on land relief. \$17.00.
 Separates from the Atlas:
 *Frost and the growing season. 75¢.
 *Natural vegetation. 75¢.
 *Precipitation and humidity. \$1.50.
 *Soils of the United States. \$5.00.
 *Temperature, sunshine, and wind. \$1.60.

AGRICULTURAL HISTORY

(See also Department Organization: Annual Reports and Yearbooks)

Miscellaneous Publications:

- *15 MP. A history of agricultural extension work in the United States, 1785-1923. 75¢.
 *36 MP. A history of agricultural education in the United States, 1785-1925. \$1.00.
 88 MP. The United States Department of Agriculture: Its structure and functions. 25¢.
 *251 MP. A history of agricultural experimentation and research in the United States, 1607-1925, including a history of the United States Department of Agriculture. 25¢.
 447 MP. A bibliography on the agriculture of the American Indians. 15¢.
 449 MP. Early American soil conservationists. 15¢.

Yearbooks:

- *1940 YB. Farmers in a changing world. \$1.50.

Yearbook Separates:

- 1727 Y. Farmers in a changing world—A summary. (1940.) 15¢.
 1731 Y. Agriculture in the World War period. (1940.) 5¢.
 1732 Y. The development of agricultural policy since the end of the World War. (1940.) 10¢.
 *1770 Y. Cultural anthropology and modern agriculture. (1940.) 5¢.
 1772 Y. The cultural setting of American agricultural problems. (1940.) 10¢.
 1774 Y. The contribution of sociology to agriculture. (1940.) 5¢.
 *1779 Y. The old and new in agricultural organization. (1940.) 5¢.
 1782 Y. Appendix: A brief chronology of American agricultural history. (1940.) 5¢.
 1783 Y. An historical survey of American agriculture. (1940.) 30¢.
 1786 Y. Climate and man.—A summary. (1941.) 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Yearbook Separates—Continued.

- 1787 Y. Climatic changes through the ages. (1941.) 10¢.
- 1790 Y. The settlement of the humid East. (1941.) 5¢.
- 1791 Y. Climate and settlement of the subhumid lands. (1941.) 5¢.
- 1792 Y. Climate and settlement in the Great Plains. (1941.) 5¢.
- 1793 Y. Climate and settlement in the arid region. (1941.) 5¢.
- 1794 Y. Settlement and cultivation in the summer-dry climates. (1941.) 5¢.
- 1795 Y. The colonization of northern lands. (1941.) 5¢.
- 1796 Y. Climate and settlement in Puerto Rico and the Hawaiian Islands. (1941.) 5¢.

Unnumbered:

- Achieving a balanced agriculture: How the National Farm Program meets the changing problem. 10¢.
- Technology on the farm. 40¢.
- *The response of Government to agriculture. 15¢.
- The negro in American agriculture. 5¢.

▲▲ FARM FINANCES

(See also Bureau List: Agricultural Conservation and Adjustment Administration, Farm Credit Administration, and Farm Security Administration)

Farmers' Bulletins:

- 511 F. Farm bookkeeping. 5¢.
- 572 F. A system of farm cost accounting. 5¢.
- 1139 F. A method of analyzing the farm business. 5¢.
- 1164 F. The farm lease contract. 5¢.
- 1182 F. Farm inventories. 5¢.
- 1564 F. Farm budgeting. 5¢.
- 1614 F. Business records for poultry keepers. 5¢.

Leaflets:

- 123 L. The farmer's share of the consumer's food dollar. 5¢.

Circulars:

- *54 C. Development and problems in farmers' mutual fire insurance. 5¢.
- *240 C. What Ohio farmers think of farmer-owned business organizations in that State. 5¢.
- 414 C. Farmer bankruptcies, 1898-1935. 5¢.

Miscellaneous Publications:

- 262 MP. A graphic summary of farm taxation. 5¢.
- 268 MP. A graphic summary of agricultural credit. 10¢.
- 463 MP. A method of estimating the economic effects of planned conservation on an individual farm. 10¢.
- 464 MP. Changes in assets and liabilities of families. Five regions. (Consumer purchases study—urban, village, farm.) 25¢.
- 488MP. ▲ Financing production of Food for Freedom. 5¢.

Separates from Agricultural Statistics:

- 8 SAS. Farm business and related statistics. (1936.)
- 18 SAS. Farm business and related statistics. (1937.)
- 38 SAS. Farm business and related statistics. (1939.) 10¢.
- 48 SAS. Farm business and related statistics. (1940.) 15¢.
- 58 SAS. Farm business and related statistics. (1941.)

Technical Bulletins:

- 521 T. Agricultural loans of commercial banks. 10¢.
- 539 T. Federal seed-loan financing and its relation to agricultural rehabilitation and land use. 10¢.
- 575 T. Demand deposits of country banks. 5¢.
- 703 T. Gross farm income and indices of farm production and prices in the United States. 1869-1937. 20¢.
- 777 T. Country banking in Wisconsin during the depression. 15¢.

Yearbook Separates:

- 1745 Y. Acreage allotments, marketing quotas, and commodity loans. (1940.) 5¢.
- *1756 Y. The growth of farm-city cooperative associations. (1940.) 5¢.
- 1758 Y. Agricultural credit. (1940.) 5¢.
- 1759 Y. Crop insurance. (1940.) 5¢.
- 1760 Y. Rural taxation. (1940.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

FARM MANAGEMENT

(See also Bureau List: Agricultural Conservation and Adjustment Administration and Agricultural Research Administration; Field Station Work; Soils; and specific animal or crop)

Farmers' Bulletins:

- *614 F. A Corn-Belt farming system which saves harvest labor by hogging down crops. 5¢.
- *981 F. Farm practices that increase crop yields in Kentucky and Tennessee. 5¢.
- *986 F. Farm practices that increase crop yields in the Gulf Coast region. 5¢.
- *1000 F. Crop systems for Arkansas. 5¢.
- 1045 F. Laying out fields for tractor plowing. 10¢.
- 1087 F. Beautifying the farmstead. 5¢.
- 1088 F. Selecting a farm. 5¢.
- 1117 F. Forestry and farm income. 5¢.
- 1405 F. The windbreak as a farm asset. 5¢.
- 1546 F. Systems of livestock farming in the Black Prairie Belt of Alabama and Mississippi. 5¢.
- 1588 F. Frost and the prevention of frost damage. 10¢.
- 1643 F. Fire safeguards for the farm. 5¢.
- 1750 F. Summer crops for green manure and soil improvement. 5¢.
- 1758 F. Cover crops for soil conservation. 5¢.
- 1771 F. Preventing soil blowing on the southern Great Plains. 5¢.
- 1776 F. Strip cropping for soil conservation. 5¢.
- 1789 F. Terracing for soil and water conservation. 10¢.
- 1794 F. Forest farming. 5¢.
- 1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains. 5¢.
- 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.
- 1825 F. Sand-dune reclamation in the southern Great Plains. 5¢.
- 1833 F. Crops against the wind on the southern Great Plains. 10¢.

Leaflets:

- 165 L. Soil-depleting, soil-conserving and soil-building crops. 5¢.
- 188 L. Protecting field borders. 5¢.

BAE-Ext Fliers:

- 2 BAE-Ext. Feeding to produce more milk for Victory.

Circulars:

- *258 C. Farmer opinions and other factors influencing cotton production and acreage adjustments in the South. 5¢.
- 404 C. The choice of crops for saline land. 5¢.
- *468 C. An extension program for range management and range livestock as adopted at a regional extension conference held at Spokane, Wash., May 24-27, 1937. 5¢.

Department Bulletins:

- *917 D. Farm practice in growing field crops in three sugar-beet districts of Colorado. 20¢.
- *1269 D. Relation of land tenure to plantation organization. 15¢.

Discussion Series:

- 21 DS. Getting established on the land. 10¢.

Miscellaneous Publications:

- 81 MP. Recommendations of the Bureau of Animal Industry on problems of livestock production. 5¢.
- 194 MP. A pasture handbook. 10¢.
- 253 MP. Conservation farming practices and flood control. 10¢.
- 281 MP. A selected bibliography on management of western ranges, livestock, and wildlife. 45¢.
- 321 MP. To hold this soil. 45¢.
- 394 MP. Farms the rains can't take. 5¢.
- 411 MP. Working plans for permanent farms. 15¢.
- 463 MP. A method of estimating the economic effects of planned conservation on an individual farm. 10¢.
- 474 MP. The cotton-and-tobacco South. 10¢.

Separates from Agricultural Statistics:

- 8 SAS. Farm business and related statistics. (1936.)
- 18 SAS. Farm business and related statistics. (1937.)
- 38 SAS. Farm business and related statistics. (1939.) 10¢.
- 48 SAS. Farm business and related statistics. (1940.) 15¢.

Technical Bulletins:

- *68 T. Ranch organization and methods of livestock production in the Southwest. 25¢.
- *102 T. Types of farming in North Dakota. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Technical Bulletins—Continued.

- 287 T. Farm-management problems in shifting from sack to bulk handling of grain in the Pacific Northwest. 15¢.
- *497 T. Utilization and cost of power on Mississippi and Arkansas Delta plantations. 5¢.
- 682 T. Plantation organization and operation in the Yazoo-Mississippi Delta area. 15¢.
- 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast. 10¢.

Yearbooks:

- *1936 YB. Better Plants and Animals—I. \$1.25.
- *1937 YB. Better Plants and Animals—II. \$2.00.
- *1938 YB. Soils and Men. \$1.75.
- *1939 YB. Food and Life. \$1.50.

Yearbook Separates:

- 1741 Y. Forest-resource conservation. (1940.) 10¢.
- 1742 Y. Farm-management problems in an era of change. (1940.) 5¢.
- 1744 Y. The place of forests in the farm economy. (1940.) 5¢.

Unnumbered:

- Better harvests through conservation farming. 5¢.
- California farm handbook, 1941: Public services available to agriculture. 15¢.
- Conservation farming for the hard lands of the southern Great Plains. 15¢.
- Conservation practices for the range lands of the southern Great Plains. 15¢.
- Conservation farming for the sandy lands of the southern Great Plains. 10¢.
- *Maryland farm handbook, 1940: State and Federal agricultural services. 10¢.
- Minnesota farm handbook, 1941: State and Federal agricultural services. 10¢.
- New Hampshire farm handbook, 1941: State and Federal agricultural services. 15¢.
- North Carolina farm handbook, 1941: State and Federal agricultural services. 15¢.

LAND USE PLANNING AND LAND ECONOMICS

(See also Soils)

BAE-Ext Fliers:

- 1 BAE-Ext. Your county's land use planning committee is at work for you.

Farmers' Bulletins:

- *815 F. Organization, financing, and administration of drainage districts. 5¢.
- 1088 F. Selecting a farm. 5¢.
- 1733 F. Planning a subsistence homestead. 5¢.

Circulars:

- *160 C. Economic aspects of land settlement in the cut-over region of the Great Lakes States. 20¢.
- 548 C. The farm real estate situation, 1936-37, 1937-38, and 1938-39. 10¢.

County Planning Series:

- 1 CPS. County land use planning. 5¢.
- 2 CPS. Membership of land use planning committees. 5¢.
- 3 CPS. The land use planning organization. 5¢.
- 4 CPS. The scope of land use planning. 5¢.
- 5 CPS. Pooling ideas in land use planning. 5¢.
- 6 CPS. Communities and neighborhoods in land use planning. 5¢.
- 7 CPS. Rural zoning and land use planning. 5¢.
- 8 CPS. Planning committees cooperate with local governments. 5¢.
- 9 CPS. Farm tenancy. 5¢.
- 10 CPS. Problems of farm tenancy. 5¢.
- 11 CPS. Farm tenancy law. 5¢.
- 12 CPS. Rural tax-delinquent lands. 5¢.
- 13 CPS. Management and development of State and county land. 5¢.
- 14 CPS. State and county land-purchase programs. 5¢.
- 15 CPS. Western water law. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Department Bulletins:

- *198 D. A report upon the Cypress Creek drainage district, Desha and Chicot Counties, Arkansas. 40¢.
- *1017 D. Report on drainage and prevention of overflow in the valley of the Red River of the North. 50¢.
- *1269 D. Relation of land tenure to plantation organization. 15¢.
- *1295 D. Land settlement and colonization in the Great Lakes States. 15¢.
- *1421 D. An economic study of irrigated farming in Twin Falls County, Idaho. 15¢.

Miscellaneous Publications:

- *172 MP. Bibliography on land settlement with particular reference to small holdings and subsistence homesteads. 50¢.
- 260 MP. A graphic summary of physical features and land utilization in the United States. 10¢.
- 261 MP. A graphic summary of farm tenure. 10¢.
- 263 MP. A graphic summary of the value of farm property. 5¢.
- *284 MP. Bibliography on land utilization, 1918-36. \$1.50.
- 442 MP. New settlement in the Mississippi Delta. 5¢.

Separates from Agricultural Statistics:

- 8 SAS. Farm business and related statistics. (1936.)
- 18 SAS. Farm business and related statistics. (1937.)
- 38 SAS. Farm business and related statistics. (1939.) 10¢.
- 48 SAS. Farm business and related statistics. (1940.) 15¢.

Technical Bulletins:

- *289 T. Land utilization in Laurel County, Ky. 25¢.
- 301 T. The public domain of Nevada and factors affecting its use. 75¢.
- 303 T. Economic utilization of marginal lands in Nicholas and Webster Counties, West Virginia. 15¢.
- *327 T. Cost of pumping for drainage in the upper Mississippi Valley. 10¢.
- 357 T. State land-settlement problems and policies in the United States. 10¢.
- *539 T. Federal seed-loan financing and its relation to agricultural rehabilitation and land use. 10¢.
- 687 T. A land program for Forest County, Wisconsin: Based on an analysis of land use problems. 15¢.

Yearbook Separates:

- *640 Y. The economy of farm drainage. 5¢.
- *771 Y. Arable land in the United States. 5¢.
- 1613 Y. The Nation and the soil. The causes: Traditional attitudes and institutions. (1938.) 5¢.
- *1618 Y. The Nation and the soil. The remedies: Policies for public lands. (1938.) 5¢.
- *1620 Y. The Nation and the soil. The remedies: Changes in agricultural finance. (1938.) 5¢.
- 1735 Y. The city man's stake in the land. (1940.) 5¢.
- 1737 Y. Our major agricultural land use problems and suggested lines of action. (1940.) 5¢.
- 1780 Y. Cooperative land use planning—A new development in democracy. (1940.) 5¢.
- 1797 Y. Climate and future settlement. (1941.) 5¢.

Unnumbered:

- Better land use—a program of action.
- ▲ Farm land values and the War.
- Land use adjustment in the Spring Creek area, Campbell County, Wyoming. 10¢.
- Land use planning under way. 15¢.
- Proceedings of the National Conference on Land Utilization, Chicago, Ill., November 19-21, 1931. 20¢.
- Rural zoning and your county. 5¢.
- *State legislation for better land use. 30¢.

Maps:

- Land-use adjustment areas. 30 by 40 inches. Colored.
- *Natural land-use areas of the United States. 40½ by 51½ inches. Colored. 50¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Maps—Continued.

Value of farm lands and buildings per acre. 26 by 40 inches. Colored.
25¢.

▲▲ RURAL LIFE

(See also Bureau List: Farm Credit Administration and Farm Security Administration; Extension Work; and Home Economics)

Farmers' Bulletins:

- *870 F. The community fair. 5¢.
- *1245 F. Farmers' telephone companies: Organization, financing, and management. 5¢.
- *1325 F. Rural planning: The social aspects. 5¢.
- 1441 F. Rural planning: The village. 5¢.
- 1492 F. Arbor Day: Its purpose and observance. 10¢.
- *1667 F. ▲Rural community fire departments. 5¢.
- 1792 F. ▲Hospitals for rural communities. 5¢.
- 1804 F. ▲Community buildings for farm families. 10¢.
- 1847 F. ▲Rural library service. 10¢.
- 1899 F. ▲School lunches in country and city. 10¢.

Leaflets:

- 73 L. Is the public market a good civic investment? 5¢.

Department Bulletins:

- *1466 D. The farmers' standard of living. A socio-economic study of 2,886 white farm families of selected localities in 11 States. 10¢.

Discussion Series:

- 18 DS. The national agricultural program: What's it all about? What about wheat?
- 19 DS. Getting at the facts about agriculture: Program building.
- 20 DS. Surplus farm products—Where shall we find a market? 10¢.
- 21 DS. Getting established on the land. 10¢.
- 1 DN. Suggestions for discussion group members.
- 2 DN. Suggestions for group discussion leaders.
- 4 DN. Suggestions for panel discussions.
- D-3. What is the discussion leader's job?

Miscellaneous Publications:

- *205 MP. Economic and social problems and conditions of the Southern Appalachians. 50¢.
- 367 MP. Rural population density in the Southern Appalachians. 25¢.
- 373 MP. State forests for public use. 10¢.
- 388 MP. Living and forest lands. 10¢.
- 467 MP. The School Lunch Program and agricultural surplus removal. 10¢.
- 472 MP. Community food preservation centers. 10¢.
- 475 MP. Minimum requirements for farmhouses recommended by the United States Department of Agriculture. 5¢.

Technical Bulletins:

- *576 T. Family living in Knott County, Ky. 10¢.

Yearbooks:

- *1940 YB. Farmers in a changing world. \$1.50.

Yearbook Separates:

- 1656 Y. Soil and society. (1938.) 10¢.
- 1729 Y. Old ideals versus new ideas in farm life. (1940.) 10¢.
- *1756 Y. The growth of farm-city cooperative associations. (1940.) 5¢.
- 1762 Y. New conditions demand new opportunities. (1940.) 5¢.
- 1763 Y. The rural people. (1940.) 5¢.
- 1764 Y. Patterns of living of farm families. (1940.) 10¢.
- 1765 Y. Overcrowded farms. (1940.) 5¢.
- 1768 Y. Beyond economics. (1940.) 5¢.
- 1769 Y. Trends in national farm organizations. (1940.) 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Yearbook Separates—Continued.

- *1770 Y. Cultural anthropology and modern agriculture. (1940.) 5¢.
- 1771 Y. Democracy in agriculture—Why and how? (1940.) 5¢.
- 1772 Y. The cultural setting of American agricultural problems. (1940.) 10¢.
- 1774 Y. The contribution of sociology to agriculture. (1940.) 5¢.
- 1775 Y. A philosophy of life for the American farmer and others. (1940.) 5¢.
- 1778 Y. Schools of philosophy for farmers. (1940.) 5¢.

Unnumbered:

- *Forest outings. 75¢, paper; \$1.25, buckram.
- Highway accidents: Their causes and recommendations for their prevention.
- National forest vacations. 10¢.
- The negro in American agriculture. 5¢.
- The rural home and the national emergency.
- Rural zoning and your county. 5¢.
- Technology on the farm. 40¢.

▲▲ SUBSISTENCE FARMING*(See also Home Economics)***Farmers' Bulletins:**

- 1733 F. ▲Planning a subsistence homestead. 5¢.
- 1746 F. ▲Subsistence farm gardens. 10¢.
- 1753 F. ▲Livestock for small farms. 5¢.

Miscellaneous Publications:

- *172 MP. Bibliography on land settlement with particular reference to small holdings and subsistence homesteads. 50¢.
- 483 MP. ▲Victory gardens. 5¢.

▲▲ TENANCY AND LABOR*(See also Bureau List: Farm Security Administration)***Farmers' Bulletins:**

- *614 F. ▲A Corn-Belt farming system which saves harvest labor by hogging down crops. 5¢.
- *1042 F. ▲Saving man labor in sugar-beet fields. 5¢.

County Planning Series:

- 9 CPS. Farm tenancy. 5¢.
- 10 CPS. Problems of farm tenancy. 5¢.
- 11 CPS. Farm tenancy law. 5¢.

Department Bulletins:

- *1285 D. Truck-farm labor in New Jersey, 1922. 10¢.

Department Circulars:

- *351 DC. Centralized management of a large corporate estate operated by tenants in the Wheat Belt. 10¢.

Discussion Series:

- 21 DS. Getting established on the land. 10¢.

Miscellaneous Publications:

- 261 MP. A graphic summary of farm tenure. 10¢.
- 265 MP. A graphic summary of farm labor and population. (Based largely on the Census of 1930 and 1935.) 10¢.
- *324 MP. Factors to be considered in preparing minimum-wage budgets for women. 10¢.

Yearbook Separates:

- 1766 Y. Farm tenancy. (1940.) 5¢.
- 1767 Y. Farm labor in an era of change. (1940.) 5¢.

Unnumbered:

- Farm tenancy. Report of the President's Committee, February 1937. 30¢.
- Technology on the farm. 40¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

AGRICULTURAL ENGINEERING

(See also Bureau List: Rural Electrification Administration)

▲▲ BUILDINGS

Farmers' Bulletins:

- 744 F. ▲ The preservative treatment of farm timbers. 5¢.
- 810 F. Equipment for farm sheep raising. 5¢.
- 847 F. ▲ Potato storage and storage houses. 5¢.
- 879 F. ▲ Home storage of vegetables. 5¢.
- 1204 F. Northwestern apple packing houses. 5¢.
- 1214 F. Farm dairy houses. 5¢.
- 1227 F. Sewage and sewerage of farm homes. 5¢.
- 1267 F. ▲ Utilization of flue-heated tobacco barns for sweetpotato storage. 5¢.
- 1318 F. Greenhouse construction and heating. 5¢.
- 1342 F. Dairy-barn construction. 5¢.
- *1350 F. Beef-cattle barns. 5¢.
- 1393 F. Principles of dairy-barn ventilation. 5¢.
- 1426 F. Farm plumbing. 5¢.
- 1442 F. ▲ Storage of sweetpotatoes. 5¢.
- 1452 F. ▲ Painting on the farm. 5¢.
- 1460 F. ▲ Simple plumbing repairs in the home. 5¢.
- 1472 F. ▲ Preventing damage by termites or white ants. 5¢.
- 1487 F. ▲ Practical hog houses. 5¢.
- 1500 F. Rammed earth walls for buildings. 5¢.
- 1512 F. ▲ Protection of buildings and farm property from lightning. 5¢.
- 1554 F. ▲ Poultry houses and fixtures. 5¢.
- 1572 F. Making cellars dry. 5¢.
- 1582 F. ▲ Protection of log cabins, rustic work, and unseasoned wood from injurious insects. 5¢.
- 1590 F. ▲ Fire-protective construction on the farm. 5¢.
- 1636 F. ▲ Farm bulk storage for small grains. 5¢.
- 1660 F. The use of logs and poles in farm construction. 5¢.
- 1698 F. Heating the farm home. 5¢.
- 1701 F. ▲ Cornercibs for the Corn Belt. 5¢.
- 1720 F. Adobe or sun-dried brick for farm buildings. 5¢.
- 1738 F. Farmhouse plans. 10¢.
- 1743 F. ▲ Hotbeds and coldframes. 5¢.
- 1749 F. Modernizing farmhouses. 10¢.
- 1751 F. ▲ Roof coverings for farm buildings and their repair. 5¢.
- 1756 F. Selection of lumber for farm and home building. 5¢.
- 1772 F. Use of concrete on the farm. 10¢.
- 1792 F. Hospitals for rural communities. 5¢.
- 1804 F. Community buildings for farm families. 10¢.
- 1820 F. ▲ Silo types and construction. 10¢.
- 1865 F. Closets and storage spaces. 5¢.
- 1869 F. Foundations for farm buildings. 10¢.
- 1889 F. Fireplaces and chimneys. 10¢.

Leaflets:

- 56 L. Preventing cracks in new wood floors. 5¢.
- 62 L. Why some wood surfaces hold paint longer than others. 5¢.
- *77 L. Bracing farm buildings. 5¢.
- 101 L. ▲ Injury to buildings by termites. 5¢.
- 124 L. Sash greenhouses. 5¢.

Circulars:

- 166 C. Suggestions for the improvement of old bank dairy barns. 10¢.
- 214 C. Small plants for pasteurizing milk.
- 228 C. Construction and arrangement of city milk plants. 5¢.
- 406 C. Oil burners for home heating. 5¢.
- *432 C. Country milk-receiving and cooling stations. 10¢.
- 489 C. Selection, installation, finish, and maintenance of wood floors for dwellings. 5¢.
- 544 C. ▲ Methods of ventilating wheat in farm storages. 15¢.

Miscellaneous Publications:

- *278 MP. Plans of farm buildings for Northeastern States. 50¢.
- 311 MP. Farm building surveys in Wisconsin, Kansas, Georgia, and Illinois. 5¢.
- *319 MP. Plans of farm buildings for Western States. 60¢.
- 322 MP. Housing requirements of farm families in the United States. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Miscellaneous Publications—Continued.

- *323 MP. The farm-housing survey. 15¢.
- 330 MP. The Minnesota seed-grain treater. 5¢.
- 347 MP. Lumber requirements for nonfarm residential construction. 15¢.
- 358 MP. Use and abuse of wood in house construction. 10¢.
- *360 MP. Plans of farm buildings for Southern States. 60¢.
- 387 MP. Turpentine still buildings and equipment. 15¢.
- 475 MP. Minimum requirements for farmhouses recommended by the United States Department of Agriculture. 5¢.

Technical Bulletins:

- *109 T. A study of the oil burner as applied to domestic heating. 10¢.
- *332 T. The bearing strength of wood under bolts. 5¢.
- 597 T. Lag-screw joints: Their behavior and design. 10¢.
- *615 T. Studies of potato storage houses in Maine. 10¢.
- 691 T. The glued laminated wooden arch. 20¢.

Unnumbered:

- *Camp stoves and fireplaces. \$1.50.

▲▲ ELECTRICITY

(See also Bureau List: Rural Electrification Administration)

Farmers' Bulletins:

- 1658 F. Farm water power. 5¢.
- 1818 F. Mechanical milk cooling on farms. 5¢.
- 1832 F. Farm fences. 10¢.
- 1838 F. Electric light for the farmstead. 10¢.
- 1857 F. Small irrigation pumping plants. 5¢.
- 1858 F. ▲ Electric motors for the farm. 5¢.

Circulars:

- 601 C. Reducing power waste in operating cotton gins. 5¢.

Miscellaneous Publications:

- 157 MP. ▲ Power and machinery in agriculture. 5¢.

Yearbook Separates:

- 1761 Y. Rural electrification. (1940.) 5¢.

FARM AND HOUSEHOLD ENGINEERING

(See also Bureau List: Rural Electrification Administration)

Farmers' Bulletins:

- 1078 F. Harvesting and storing ice on the farm. 5¢.
- 1227 F. Sewage and sewerage of farm homes. 5¢.
- 1318 F. Greenhouse construction and heating. 5¢.
- 1393 F. Principles of dairy-barn ventilation. 5¢.
- 1426 F. Farm plumbing. 5¢.
- *1448 F. Farmstead water supply. 5¢.
- 1460 F. Simple plumbing repairs in the home. 5¢.
- 1526 F. Clearing land of brush and stumps. 5¢.
- 1572 F. Making cellars dry. 5¢.
- 1658 F. Farm water power. 5¢.
- 1660 F. The use of logs and poles in farm construction. 5¢.
- 1683 F. Measuring water in irrigation channels. 10¢.
- 1698 F. Heating the farm home. 5¢.
- 1751 F. Roof coverings for farm buildings and their repair. 5¢.
- 1756 F. Selection of lumber for farm and home building. 5¢.
- 1772 F. Use of concrete on the farm. 10¢.
- 1789 F. Terracing for soil and water conservation. 10¢.
- 1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast. 5¢.
- 1801 F. Making lime on the farm. 5¢.
- 1859 F. Stock-water developments: Wells, springs, and ponds. 10¢.
- 1889 F. Fireplaces and chimneys. 10¢.

Leaflets:

- 120 L. Excluding birds from reservoirs and fish ponds. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Circulars:

- *285 C. Portable refrigeration chambers for studying cold resistance of plants in the field. 5¢.
- 393 C. Care and maintenance of cotton-gin saws and ribs. 5¢.
- 546 C. Putting down and developing wells for irrigation. 15¢.

Department Bulletins:

- *1203 D. Experimental production of straw gas. 5¢.

Miscellaneous Publications:

- 204 MP. Rainfall intensity-frequency data. 10¢.
- 404 MP. The slotted-templet method for controlling maps made from aerial photographs. 15¢.

Technical Bulletins:

- *332 T. The bearing strength of wood under bolts. 5¢.
- *443 T. Application of steam in the sterilization of soils. 5¢.

Unnumbered:

- *Camp stoves and fireplaces. \$1.50.
- Terrace construction with small equipment in the South. 5¢.

▲▲ MACHINERY AND EQUIPMENT

(See also Bureau List: Rural Electrification Administration)

Farmers' Bulletins:

- 734 F. Flytraps and their operation. 5¢.
- 744 F. ▲The preservative treatment of farm timbers. 5¢.
- 810 F. Equipment for farm sheep raising. 5¢.
- 847 F. ▲Potato storage and storage houses. 5¢.
- 879 F. ▲Home storage of vegetables. 5¢.
- 948 F. The rag-doll seed tester: Its use in determining what ears of corn are fit for seed. 5¢.
- *1042 F. ▲Saving man labor in sugar-beet fields. 5¢.
- 1045 F. Laying out fields for tractor plowing. 10¢.
- *1285 F. Lime-sulphur concentrate: Preparation, uses, and designs for plants. 5¢.
- 1315 F. ▲Cleaning milking machines. 5¢.
- *1404 F. Pumping from wells for irrigation. 5¢.
- 1460 F. ▲Simple plumbing repairs in the home. 5¢.
- 1490 F. Hog-lot equipment. 5¢.
- 1512 F. Protection of buildings and farm property from lightning. 5¢.
- 1525 F. ▲Effective haying equipment and practices for northern Great Plains and inter-mountain regions. 5¢.
- *1542 F. Cleaning grain on farms and in country elevators. 5¢.
- *1577 F. ▲Harvesting grain sorghums. 5¢.
- 1584 F. Feed-lot and ranch equipment for beef cattle. 5¢.
- 1589 F. ▲The husker-shredder on eastern Corn Belt farms. 5¢.
- 1615 F. ▲Hay stackers and their use. 5¢.
- 1662 F. Husker-shredders in corn-borer control. 5¢.
- 1675 F. ▲Care of milk utensils on the farm. 5¢.
- 1678 F. ▲Safe use and storage of gasoline and kerosene on the farm. 5¢.
- 1690 F. ▲Plowing with moldboard plows. 5¢.
- 1715 F. ▲Methods and costs of husking corn in the field. 5¢.
- 1725 F. ▲Methods and costs of filling silos in the North Central States. 5¢.
- 1729 F. ▲Machinery for dusting cotton. 5¢.
- 1743 F. ▲Hotbeds and coldframes. 5¢.
- 1748 F. Ginning cotton. 5¢.
- 1754 F. ▲Care and repair of mowers and binders. 5¢.
- 1761 F. ▲Harvesting with combines. 5¢.
- 1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains. 5¢.
- 1801 F. ▲Making lime on the farm. 5¢.
- 1802 F. Modernizing cotton gins. 10¢.
- 1816 F. ▲Mechanizing the corn harvest. 5¢.
- 1818 F. Mechanical milk cooling on farms. 5¢.
- 1820 F. ▲Silo types and construction. 10¢.
- 1821 F. Containers for fruits and vegetables. 10¢.
- 1832 F. Farm fences. 10¢.
- 1838 F. Electric light for the farmstead. 10¢.
- 1857 F. Small irrigation pumping plants. 5¢.
- 1858 F. ▲Electric motors for the farm. 5¢.
- 1865 F. Closets and storage spaces. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Leaflets:

- 97 L. Cross-blocking sugar beets by machine. 5¢.
- 107 L. The barrel seed scarifier. 5¢.
- 151 L. Effects of feeds and saw speeds on cotton turn-out and quality. 5¢.
- 169 L. Preventing gin damage to cotton. 5¢.
- 181 L. Drying seed cotton. 5¢.
- 191 L. Liquefied gas for the household. 5¢.
- 202 L. Grafting-wax melter. 5¢.

BAE-Ext. Fliers:

- 4 BAE-Ext. ▲ Farm machinery goes to work.

Circulars:

- 48 C. Improved apparatus and method for making "shellings" of rough rice. 5¢.
- 99 C. Equipment for city milk plants. 10¢.
- *123 C. A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot. 5¢.
- *132 C. Fighting the corn borer with machinery in the two-generation area. 15¢.
- *155 C. The ice well for the dairy farm. 5¢.
- *204 C. An air-pressure extension brush for applying creosote to gypsy moth egg clusters. 5¢.
- 214 C. Small plants for pasteurizing milk. 5¢.
- *236 C. Design factors affecting the strength and rigidity of wooden crates. 5¢.
- *264 C. Mechanical application of fertilizers to cotton in South Carolina, 1931. 5¢.
- *285 C. Portable refrigeration chambers for studying cold resistance of plants in the field. 5¢.
- 321 C. Use of farm machinery for corn-borer control in the one-generation area. 5¢.
- *345 C. Barrel and disk seed scarifiers. 5¢.
- 361 C. Removing smut balls from seed wheat. 5¢.
- *376 C. New equipment for obtaining host material for the mass production of *Trichogramma minutum*, an egg parasite of various insect pests. 5¢.
- 393 C. ▲ Care and maintenance of cotton-gin saws and ribs. 5¢.
- *399 C. Machine placement of fertilizers for snap beans in Florida 5¢.
- 406 C. Oil burners for home heating. 5¢.
- 467 C. ▲ Care and repair of cotton-gin brushes. 5¢.
- 470 C. Performance characteristics of 5- and 6-foot combines. 10¢.
- 510 C. Air-blast gin performance and maintenance. 5¢.
- 592 C. ▲ Machinery for growing corn. 5¢.
- 594 C. The use of traps against the Japanese beetle. 5¢.
- 598 C. Experiments in the use of vapor-spray equipment. 5¢.
- 599 C. A combination suspended-load sampler and velocity meter for small streams. 5¢.
- 601 C. ▲ Reducing power waste in operating cotton gins. 5¢.
- 621 C. A practical seed-cotton moisture tester for use at gins. 10¢.
- 627 C. Fruit pressure testers and their practical application. 5¢.

Department Bulletins:

- 1375 D. The Brown-Duvel moisture tester and how to operate it. 10¢.

Department Circulars:

- *310 DC. The solar propagating frame for rooting citrus and other subtropical plants. 5¢.

Miscellaneous Circulars:

- *56 MC. Cleaning grain with the Bates aspirator. 10¢.

Miscellaneous Publications:

- *75 MP. Method of testing the capacity of fruit and vegetable containers under the United States standard container acts. 5¢.
- 138 MP. Refrigeration in the handling, processing, and storing of milk and milk products. 10¢.
- 157 MP. ▲ Power and machinery in agriculture. 5¢.
- *212 MP. A low-cutting sled corn cutter. 5¢.
- 239 MP. The vertical drier for seed cotton. 10¢.
- 264 MP. A graphic summary of farm machinery, facilities, roads, and expenditures. (Based largely on the census of 1930 and 1935.) 10¢.
- 314 MP. Overhead cleaner-drying systems for seed cotton. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Miscellaneous Publications—Continued.

- 330 MP. The Minnesota seed-grain treater. 5¢.
 372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance. 10¢.
 387 MP. Turpentine still buildings and equipment. 15¢.
 415 MP. Family expenditures for automobile and other transportation. Five regions. (Consumer purchases study—Urban, village, farm.) 30¢.

Technical Bulletins:

- *109 T. A study of the oil burner as applied to domestic heating. 10¢.
 205 T. Gluing wood in aircraft manufacture. 25¢.
 269 T. Economical use of large tile for land drainage. 5¢.
 *280 T. Effect of plant arrangement, equipment, and methods of operation in relation to breakage of bottles in milk plants. 10¢.
 490 T. Explosibility of agricultural and other dusts as indicated by maximum pressure and rates of pressure rise. 5¢.
 *497 T. Utilization and cost of power on Mississippi and Arkansas Delta plantations. 5¢.
 *503 T. Effects of gin-saw speed and seed-roll density on quality of cotton lint and operation of gin stands. 10¢.
 *508 T. Effect of artificially drying seed cotton before ginning on certain quality elements of the lint and seed and on the operation of the gin stand. 10¢.
 663 T. Effect of cleaning seed cotton on lint quality and ginning efficiency. 20¢.
 700 T. Costs of tractor logging in southern pine. 15¢.
 756 T. The corrosive effect of chlorine and lye solutions on metals used in dairy equipment. 5¢.
 773 T. Kiln design and development of schedules for extracting seed from cones. 10¢.

Yearbook Separates:

- 1625 Y. ▲Tillage machinery. (1938.) 5¢.
 1743 Y. ▲The influence of technical progress on agricultural production. (1940.) 10¢.

Unnumbered:

- ▲Technology on the farm. 40¢.
 Terrace construction with small equipment in the South. 5¢.

† ROADS AND BRIDGES**Farmers' Bulletins:**

- *1481 F. Planting the roadside. 5¢.

Leaflets:

- 164 L. Erosion on roads and adjacent lands. 5¢.

Circulars:

- 380 C. Erosion control on mountain roads. 10¢.

Miscellaneous Publications:

- 264 MP. A graphic summary of farm machinery, facilities, roads, and expenditures. (Based largely on the census of 1930 and 1935.) 10¢.
 272 MP. Construction of private driveways. 10¢.
 279 MP. Bibliography on highway lighting. 5¢.

Separates from Agricultural Statistics:

- 9 SAS. Miscellaneous agricultural statistics. (1936.)
 39 SAS. Miscellaneous agricultural statistics. (1939.) 10¢.
 49 SAS. Miscellaneous agricultural statistics. (1940.) 10¢.

Technical Bulletins:

- *442 T. Bridge piers as channel obstructions. 25¢.
 691 T. The glued laminated wooden arch. 20¢.

Unnumbered:

- An economic and statistical analysis of highway construction expenditures. 15¢.
 Highway accidents: Their causes and recommendations for their prevention.

† For additional information on roads, write to the Public Roads Administration, Federal Works Agency, Washington, D. C.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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AGRICULTURE IN FOREIGN COUNTRIES

(See also Periodical Publications and Mailing Lists: Agriculture in the Americas and Foreign Agriculture)

Circulars:

- *49 C. Culture and outdoor winter storage of persimmons in the vicinity of Peking, China. 5¢.
- *168 C. Insects injurious to agriculture in Japan. 20¢.
- *176 C. Observations on the satin moth and its natural enemies in central Europe. 5¢
- *266 C. The citrus insects of tropical Asia. 5¢.
- *289 C. Observations on the European corn borer and its major parasites in the Orient. 5¢.
- 471 C. Forests and employment in Germany. 10¢.

Department Bulletins:

- *271 D. Dates of Egypt and the Sudan. 20¢.
- *1234 D. Agricultural survey of Europe: The Danube Basin—Part 1. 15¢.
- *1429 D. The parasites of *Popillia japonica* in Japan and Chosen (Korea) and their introduction into the United States. 15¢.
- *1457 D. Date culture in Egypt and the Sudan. 25¢.

Miscellaneous Publications:

- 187 MP. Inspection of United States wheat exported through Canadian ports. 5¢.
- *243 MP. Manual of the grasses of the West Indies. \$1.25.

Separates from Agricultural Statistics:

- 7 SAS. Foreign trade of the United States in agricultural products. (1936.)
- 27 SAS. Foreign trade of the United States in agricultural products. (1938.) 10¢.
- 37 SAS. Foreign trade of the United States in agricultural products. (1939.) 10¢.
- 47 SAS. Foreign trade of the United States in agricultural products. (1940.) 10¢.
- 57 SAS. Foreign trade of the United States in agricultural products. (1941.)

Technical Bulletins:

- *15 T. The citrus insects of Japan. 5¢.
- *37 T. Agricultural survey of Europe: France. 25¢.
- *59 T. The European corn borer and its controlling factors Europe. 10¢.
- *65 T. Experimental tapping of Hevea rubber trees at Bayeux, Haiti, 1924-25. 5¢.
- *101 T. Agricultural survey of Europe: Switzerland. 15¢.
- 124 T. Some factors affecting the marketing of wool in Australia, New Zealand, the Union of South Africa, England, and France. 25¢.
- *320 T. The citrus blowfly in Asia, and the importation of its natural enemies into tropical America. 10¢.
- *363 T. The parasites of the sugarcane borer in Argentina and Peru, and their introduction into the United States. 5¢.
- *446 T. Yields of barley in the United States and Canada, 1927-31. 10¢.
- 451 T. Cotton production in Egypt. 5¢.
- *455 T. The European corn borer and its controlling factors in the Orient. 5¢.
- 535 T. Wheat requirements in Europe. (Especially pertaining to quality and type and to milling and baking practices.) 15¢.
- 587 T. Consumption and production of tobacco in Europe. 15¢.
- 764 T. Trends in production and foreign trade for meats and livestock in the United States. 10¢.

Yearbook Separates:

- *1109 Y. Foreign trade of the United States in agricultural products. (1930.) 10¢.
- *1154 Y. Foreign trade of the United States in agricultural products. (1931.) 10¢.
- *1484 Y. Foreign trade of the United States in agricultural products. (1935.) 5¢.
- 1746 Y. The meaning of foreign trade for agriculture. (1940.) 5¢.
- 1747 Y. Reciprocal trade agreements—A new method of tariff making. (1940.) 5¢.
- 1748 Y. Methods of increasing agricultural exports. (1940.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

▲ ▲ ANIMAL INDUSTRIES

▲ ▲ LIVESTOCK—GENERAL

(See also specific animal)

Farmers' Bulletins:

- 578 F. ▲ The making and feeding of silage. 10¢.
- 954 F. The disinfection of stables. 5¢.
- 1167 F. ▲ Essentials of animal breeding. 5¢.
- 1179 F. Feeding cottonseed products to livestock. 5¢.
- 1428 F. Saving livestock from starvation on southwestern ranges. 5¢.
- 1546 F. Systems of livestock farming in the Black Prairie Belt of Alabama and Mississippi. 5¢.
- 1699 F. Growing root crops for livestock. 5¢.
- 1721 F. Determining the age of farm animals by their teeth. 5¢.
- 1753 F. ▲ Livestock for small farms. 5¢.
- 1764 F. Growing and feeding grain sorghums. 5¢.
- 1859 F. Stockwater developments: Wells, springs, and ponds. 10¢

Leaflets:

- 1 L. Ways to save young livestock. 5¢.

Circulars:

- 32 C. The regional lymph glands of food animals. 10¢.
- 140 C. Handling livestock during drought. 5¢.
- 183 C. Factors for converting percentages of nitrogen in foods and feeds into percentages of proteins. 5¢.
- *468 C. An extension program for range management and range livestock as adopted at a regional extension conference held at Spokane, Wash., May 24-27, 1937. 5¢.
- 567 C. ▲ Artificial insemination in livestock breeding. 10¢.

Department Circulars:

- 235 DC. Utility value of purebred livestock. 10¢.
- 379 DC. The use of salt in range management. 10¢.

Miscellaneous Publications:

- 81 MP. Recommendations of the Bureau of Animal Industry on problems of livestock production. 5¢.
- 132 MP. Rice and its byproducts for feeding livestock. 5¢.
- 194 MP. ▲ A pasture handbook. 10¢.
- 207 MP. Raising reindeer in Alaska. 5¢.
- 281 MP. A selected bibliography on management of western ranges, livestock, and wildlife. 45¢.

Technical Bulletins:

- *68 T. Ranch organization and methods of livestock production in the Southwest. 25¢.
- *102 T. Types of farming in North Dakota. 15¢.
- 220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah. 20¢.

Yearbooks:

- *1936 YB. Better plants and animals—I. \$1.25.
- *1937 YB. Better plants and animals—II. \$2.00.
- *1939 YB. ▲ Food and life. \$1.50.

Yearbook Separates:

- *1555 Y. Introduction to 1936 Yearbook of Agriculture. (Genetics.) 15¢.
- *1567 Y. Better plants and animals. (Genetics.) (1936.) 5¢.
- *1568 Y. Livestock breeding at the crossroads. (1936.) 5¢.
- *1652 Y. Some relationships of soil to plant and animal nutrition: The major elements. (1938.) 10¢.
- 1653 Y. Neglected soil constituents that affect plant and animal development. (1938.) 10¢.
- 1669 Y. ▲ Food and life—A summary. (1939.) 10¢.
- *1691 Y. ▲ Sources and cycles of the nutritive elements. (1939.) 5¢.
- 1692 Y. ▲ The digestive processes in domestic animals. (1939.) 5¢.
- 1693 Y. ▲ Factors affecting maintenance nutrition, feed utilization, and health of farm animals. (1939.) 5¢.
- 1694 Y. ▲ Growth, fattening, and meat production. (1939.) 5¢.
- 1695 Y. ▲ Some effects of nutritional levels. (1939.) 5¢.
- 1696 Y. ▲ The relation of diet to reproduction. (1939.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Yearbook Separates—Continued.

- 1697 Y. ▲The relation of nutrition to the production of hides and wool. (1939.) 5¢.
 1698 Y. ▲The nutrition of very young animals. (1939.) 5¢.
 1707 Y. ▲Glands, hormones, and blood constituents—Their relation to milk secretion. (1939.) 5¢.
 1719 Y. ▲Pasture and range in livestock feeding. (1939.) 10¢.
 1720 Y. ▲The nutritive value of harvested forages. (1939.) 10¢.
 1722 Y. ▲Nutritive value of miscellaneous feeds. (1939.) 5¢.
 1723 Y. ▲Deficient and excess minerals in forage in the United States. (1939.) 5¢.
 1724 Y. ▲What do we need to know in livestock nutrition? (1939.) 5¢.
 1725 Y. ▲Composition of the principal feedstuffs used for livestock. (1939.) 5¢.
 1811 Y. Climate and grazing. (1941.) 5¢.
 1815 Y. Climate and livestock production. (1941.) 5¢.

Unnumbered:

- Enrollment blank for Better Sires—Better Stock Crusade. L S C 2.
 The use book: A manual of information about the national forests. (Grazing Section).

Posters:

- 48% more money from purebreds. 15¾ by 20 inches. Colored.

Diseases and Parasites: Livestock—General

(See also Puerto Rico; and specific animal)

Farmers' Bulletins:

- 666 F. Foot-and-mouth disease. 5¢.
 926 F. Some common disinfectants. 5¢.
 954 F. The disinfection of stables. 5¢.
 988 F. Larkspur or "poison weed." 5¢.
 1018 F. Hemorrhagic septicemia, stockyards fever, swine plague, fowl cholera, etc. 5¢.
 1054 F. The loco-weed disease. 5¢.
 1069 F. Tuberculosis in livestock: Detection, control, and eradication. 5¢.
 1273 F. The stock-poisoning death camas. 5¢.
 1355 F. Blackleg: Its nature, cause, and prevention. 5¢.
 1625 F. Tick fever. 5¢.
 1736 F. Anthrax. 5¢.

Leaflets:

- 88 L. Poisoning of livestock by plants that produce hydrocyanic acid. 5¢.

Circulars:

- 32 C. The regional lymph glands of food animals. 10¢.
 *104 C. Johne's disease (paratuberculosis) of livestock. 5¢.
 320 C. Report on a preliminary field survey of the so-called alkali disease of livestock. 5¢.
 454 C. Preparation of pathological specimens from animal tissues and their mounting under watch glasses. 5¢.

Department Bulletins:

- *1245 D. Stock-poisoning plants of the range. 50¢.
 1308 D. Chemical and physical methods for the control of saponified cresol solutions. 5¢.

Department Circulars:

- 249 DC. Tuberculin testing of livestock. 5¢.
 325 DC. Foot-and-mouth disease, with special reference to the outbreak of 1914. 5¢.
 *400 DC. Foot-and-mouth disease, with special reference to the outbreaks in California, 1924, and Texas, 1924 and 1925. 15¢.

Miscellaneous Publications:

- 25 MP. A calendar of livestock parasites. 5¢.
 59 MP. Reliability of the tuberculin test.
 66 MP. Economic benefits of eradicating tuberculosis from livestock. 10¢.
 *68 MP. The 1929 outbreak of foot-and-mouth disease in southern California. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Technical Bulletins:

- 76 T. Report of the Foot-and-Mouth Disease Commission of the United States Department of Agriculture. 25¢.
 219 T. Mountain-laurel (*Kalmia latifolia*) and sheep laurel (*Kalmia angustifolia*) as stock-poisoning plants. 5¢.
 *391 T. Alpine kalmia (*Kalmia microphylla*) as a stock-poisoning plant. (1933.) 5¢.
 468 T. Efficacy of anthrax biologics in producing immunity in previously unexposed animals. 5¢.
 694 T. Differentiation of eggs of various genera of nematodes parasitic in domestic ruminants in the United States. 5¢.

Yearbook Separates:

- 1394 Y. Animal disease control by scientific methods shows notable progress. (1933.) 5¢.
 1816 Y. Climate in relation to worm parasites of livestock. (1941.) 5¢.

Unnumbered:

- *Index-catalogue of medical and veterinary zoology. Part 1. Authors: AALL to AZZOLINA. 10¢.
 *Index-catalogue of medical and veterinary zoology. Part 2. Authors: B to BYCHKOV. 55¢.
 *Index-catalogue of medical and veterinary zoology. Part 3. Authors: C to CZYGAN. 40¢.
 *Index-catalogue of medical and veterinary zoology. Part 4. Authors: D to DZUNKOVSKI. 30¢.
 *Index-catalogue of medical and veterinary zoology. Part 5. Authors: E to FYNNEY. 45¢.

Posters:

- Anthrax. 16½ by 20¼ inches. Black and white.
 Help eradicate scabies. 14 by 19 inches. Colored.

Insects: Livestock—General

(See also specific animal)

Farmers' Bulletins:

- 734 F. Flytraps and their operation. 5¢.
 980 F. The spinose ear tick and methods of treating infested animals. 5¢.
 1097 F. The stable fly: How to prevent its annoyance and its losses to livestock. 5¢.

Leaflets:

- 162 L. Screwworm control. 5¢.

Department Bulletins:

- *1472 D. Chemotropic tests with the screwworm fly. 5¢.

Miscellaneous Publications:

- *305 MP. The horseflies of the subfamily of Tabaninae of the Nearctic Region. 20¢.

Technical Bulletins:

- *80 T. Tests of blowfly baits and repellents during 1926. 5¢.
 270 T. The chemotropic responses of the housefly, the green-bottle flies, and the black blowfly. 5¢.
 *365 T. Biology of *Brachymeria fonscolombei* (Dufour), a hymenopterous parasite of blowfly larvae. 5¢.
 *500 T. Biology of the primary screw worm fly, *Cochliomyia americana*, and a comparison of its stages with those of *C. macellaria*. 10¢.

Products: Livestock—General

(See also specific animal)

Farmers' Bulletins:

- 1334 F. Home tanning of leather and small fur skins. 10¢.

Circulars:

- 378 C. A practical laboratory method of making thin cross sections of fibers. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Technical Bulletins:

- 169 T. The wearing quality and other properties of vegetable-tanned and of chrome-retanned sole leather. 5¢.
 383 T. Microbiological studies of salt in relation to the reddening of salted hides. 5¢.

Yearbook Separates:

- 1704 Y. Variations in the composition of milk. (1939.) 5¢.

Marketing: Livestock and Products—General

(See also Bureau List: Agricultural Marketing Administration and Farm Credit Administration; Department Organization: Laws—Rules—Regulations; Marketing Research; and specific animal)

Farmers' Bulletins:

- 1551 F. Marketing farm produce by parcel post. 5¢.

Leaflets:

- 38 L. Maintaining the health of livestock in transit. 5¢.
 122 L. U. S. graded and stamped meat. 5¢.

Circulars:

- *86 C. A business analysis of the Producers Live Stock Commission Association of National Stock Yards, Ill. 10¢.
 *142 C. Analysis of the operations of a cooperative livestock concentration point. 10¢.

Department Circulars:

- 300 DC. Commercial cuts of meat. 5¢.

Miscellaneous Circulars:

- 14 MC. State sanitary requirements governing admission of livestock. 15¢.
 63 MC. The inspection stamp as a guide to wholesome meat. 5¢.

Miscellaneous Publications:

- 33 MP. Advantages of standards for livestock and meats. 5¢.
 171 MP. The crop and livestock reporting service of the United States. 15¢.
 269 MP. A graphic summary of farm animals and animal products. (Based largely on the Census of 1930 and 1935.) 10¢.

Separates from Agricultural Statistics:

- 5 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1936.)

Statistical Bulletins:

- *59 S. Fats, oils, and oleaginous raw materials—Production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years. 10¢.

Technical Bulletins:

- 737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-39. 5¢.

Yearbook Separates:

- *1029 Y. Statistics of farm animals and animal products. (1928.) 10¢.
 *1147 Y. Crop and livestock production trends. (1931.) 10¢.
 *1152 Y. Statistics of cattle, hogs, sheep, horses, mules, asses, and honey. (1931.) 15¢.
 1686 Y. United States meat inspection. (1939.) 5¢.

▲▲ CATTLE**▲▲BEEF CATTLE**

(See also Livestock—General and p. 42 for diseases, insects, and parasites)

Farmers' Bulletins:

- 1068 F. Judging beef cattle. 5¢.
 1135 F. The beef calf: Its growth and development. 5¢.
 *1350 F. Beef-cattle barns. 5¢.
 1395 F. ▲Beef-cattle production in the range area. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Farmers' Bulletins—Continued.

- 1415 F. ▲Beef on the farm: Slaughtering, cutting, curing. 5¢.
 1549 F. ▲Feeding cattle for beef. 5¢.
 1584 F. Feed-lot and ranch equipment for beef cattle. 5¢.
 1592 F. ▲Beef production on the farm. 5¢.
 1600 F. Dehorning, castrating, branding, and marking beef cattle. 5¢.
 1779 F. ▲Beef-cattle breeds for beef and for beef and milk. 5¢.

Circulars:

- 448 C. An economic study of cattle business on a southwestern semidesert range. 5¢.

Department Circulars:

- 408 DC. Wintering beef cattle in the Appalachian region. 5¢.

Technical Bulletins:

- *208 T. Beef from calves fed grain before and after weaning. 5¢.
 217 T. Beef production and quality as affected by grade of steer and feeding grain supplement on grass. 15¢.
 397 T. Comparison of grain rations for beef calves before and after weaning. 5¢.
 417 T. Beef production and quality as influenced by crossing Brahman with Hereford and Shorthorn cattle. 10¢.
 529 T. Effect of different methods of wintering beef calves, in the northern Great Plains, on winter gains and feed costs and on subsequent summer gains. 5¢.
 538 T. Effect of method and rate of grazing on beef production and plant population of pastures at Beltsville, Md. 10¢.
 547 T. Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains. 5¢.
 564 T. Comparison of feeds for fattening beef calves before and after weaning. 5¢.
 565 T. Comparison of feeds for wintering steers in the northern Great Plains. 5¢.
 581 T. Comparison of various forms of milo grain for fattening steers in the Southern Great Plains. 5¢.
 603 T. Wintering beef cows on the range with and without a supplement of cottonseed cake. 5¢.
 628 T. Effect of supplementing winter and summer range on gains of steers in the northern Great Plains. 5¢.
 635 T. Comparison of alfalfa and western wheatgrass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains. 5¢.
 664 T. Relative merits of producing creep-fed, feeder, and lot-fattened calves in the Appalachian region. 5¢.
 665 T. Relationships among production and grade factors of beef. 10¢.
 667 T. Wintering steers on different planes of nutrition from weaning to 2½ years of age. 10¢.
 717 T. Beef production and quality as affected by method of feeding supplements to steers on grass in the Appalachian region. 5¢.

Yearbook Separates:

- 1396 Y. Experiments with beef and dual-purpose cattle aid in efficient production. (1933.)
 *1561 Y. ▲Beef and dual-purpose cattle breeding. (1936.) 5¢.
 1699 Y. ▲Nutritional requirements of beef and dual-purpose cattle. (1939.) 5¢.
 1700 Y. ▲Practices in the feeding of beef and dual-purpose cattle. (1939.) 5¢.

Posters:

- Purebred sires and herd improvement. 10 by 15½ inches. Colored.

Products: Beef Cattle

(See also Products: Livestock—General)

Farmers' Bulletins:

- 1415 F. Beef on the farm: Slaughtering, cutting, curing. 5¢.

Technical Bulletins:

- *208 T. Beef from calves fed grain before and after weaning. 5¢.
 217 T. Beef production and quality as affected by grade of steer and feeding grain supplement on grass. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Posters:

Do you know good beef? 14 by 20 inches. Colored.

Marketing: Beef Cattle and Products

(See also Department Organization: Laws—Rules—Regulations; and Marketing: Livestock and Products)

Leaflets:

122 L. U. S. graded and stamped meat. 5¢.

Circulars:

- 28 C. Market classes and grades of calves and vealers. 10¢.
 *103 C. Market classes and grades of dressed veal and calf carcasses. 25¢.
 505 C. Market classes and grades of feeder and stocker cattle. 5¢.
 524 C. Determination of slaughter-steer grades from weights and measurements. 5¢.

Department Bulletins:

1464 D. Market classes and grades of cattle.

Miscellaneous Circulars:

74 MC. Grading up beef cattle at Sni-A-Bar Farms. 10¢.

Miscellaneous Publications:

391 MP. Federal beef grading. 5¢.

Separates from Agricultural Statistics:

- 5 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1936.)
 *25 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1938.) 10¢.
 *35 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1939.) 10¢.
 45 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1940.) 10¢.
 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)

Yearbook Separates:

- *1152 Y. Statistics of cattle, hogs, sheep, horses, mules, asses, and honey. (1931.) 15¢.

Beef Grading Charts:

- No. 1. Beef graded and stamped by U. S. Government graders. (Hind quarter.) 12 by 16 inches. Colored.
 No. 2. Beef graded and stamped by U. S. Government graders. (Fore quarter.) 12 by 16 inches. Colored.
 No. 3. Steaks and roasts from U. S. Government graded beef. 12 by 16 inches. Colored.

Charts:

- *Four charts showing wholesale and retail cuts of beef, veal, lamb, and fresh pork. 50¢ per set.

Posters:

United States grades of slaughter heifers. 21 by 38 inches. Colored.
 United States grades of slaughter cows. 21 by 33 inches. Colored.

▲▲ DAIRY CATTLE

(See also Livestock: General and p. 42 for diseases, insects, and parasites)

Farmers' Bulletins:

- 1214 F. Farm dairy houses. 5¢.
 1342 F. Dairy-barn construction. 5¢.
 1393 F. Principles of dairy-barn ventilation. 5¢.
 1412 F. ▲Care and management of dairy bulls. 5¢.
 1443 F. ▲Dairy cattle breeds. 10¢.
 1470 F. ▲Care and management of dairy cows. 5¢.
 1604 F. Dairy-herd-improvement associations, and stories the records tell. 5¢.
 1610 F. ▲Dairy farming for beginners. 5¢.
 1626 F. ▲Feeding dairy cows. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Farmers' Bulletins—Continued.

- 1723 F. ▲Feeding, care, and management of young dairy stock. 10¢.
 1769 F. Dairy cattle judging. 5¢.
 1779 F. ▲Beef-cattle breeds for beef and for beef and milk. 5¢.
 1830 F. ▲Cooperative dairy bull associations. 5¢.

Leaflets:

- 3 L. Improved sanitation in milk production. 5¢.
 25 L. Preventing feed flavors and odors in milk. 5¢.

BAE-Ext Fliers:

- 2 BAE-Ext.▲Feeding to produce more milk for Victory.

Circulars:

- 166 C. Suggestions for the improvement of old bank dairy barns. 10¢.
 180 C. The production of dairy cows as affected by frequency and regularity of milking and feeding. 5¢.
 560 C. Rate of growth by dairy calves and heifers on different rations. 5¢.

Miscellaneous Publications:

- *130 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md. 1930 report. 5¢.
 179 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md. 1932 report. 5¢.
 *277 MP. List of sires proved in dairy-herd-improvement associations, 1935-37. Arranged by breeds. 15¢.
 *353 MP. List of sires proved in dairy-herd-improvement associations, 1939. 15¢.
 *359 MP. The cow tester's manual. 15¢.
 *393 MP. List of sires proved in dairy-herd-improvement associations, 1940. 25¢.
 *453 MP. List of sires proved in dairy herd improvement associations, 1941. 25¢.

Technical Bulletins:

- *321 T. Reproduction and health records of the Beltsville herd of the Bureau of Dairy Industry. 5¢.
 352 T. Sudan grass as hay, silage, and pasture for dairy cattle. 5¢.
 473 T. Heavy cottonseed meal feeding in relation to udder troubles in dairy cows. 5¢.
 *522 T. Incomplete milking in relation to milk production and udder troubles in dairy cows. 5¢.
 610 T. Feeding dairy cows on alfalfa hay alone. 10¢.
 649 T. Relative values for milk production of hay and silage made from immature pasture herbage. 5¢.
 660 T. The Hohenheim system in the management of permanent pastures for dairy cattle. 5¢.
 677 T. Experiments in breeding Holstein-Friesian cattle for milk- and butterfat-producing ability, and an analysis of the foundation cows and of the first outbred generation. 15¢.
 *724 T. Milk and butterfat production by dairy cows on four different planes of feeding. 10¢.
 739 T. Yield, chemical composition, and feeding value for milk production of alfalfa hay cut at three stages of maturity. 10¢.
 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast. 10¢.

Yearbook Separates:

- *744 Y. How the dairy cow brought prosperity in the wake of the boll weevil. (1917.) 5¢.
 1396 Y. Experiments with beef and dual-purpose cattle aid in efficient production. (1933.)
 *1561 Y. Beef and dual-purpose cattle breeding. (1936.) 5¢.
 *1566 Y. Superior germ plasma in dairy herds. (1936.) 15¢.
 1699 Y. ▲Nutritional requirements of beef and dual-purpose cattle. (1939.) 5¢.
 1700 Y. ▲Practices in the feeding of beef and dual-purpose cattle. (1939.) 5¢.
 1701 Y. ▲The feeding of dairy cows for intensive milk production in practice. (1939.) 5¢.
 1702 Y. ▲Figuring the rations of dairy cows. (1939.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Yearbook Separates—Continued

- 1703 Y. ▲ Practical feeding and nutritional requirements of young dairy stock. (1939.) 10¢.
 1704 Y. ▲ Variations in the composition of milk. (1939.) 5¢.
 1705 Y. ▲ Utilization of feed energy and feed protein in milk secretion. (1939.) 5¢.
 1706 Y. ▲ The vitamins in milk and in milk production. (1939.) 5¢.
 1707 Y. ▲ Glands, hormones, and blood constituents—Their relation to milk secretion. (1939.) 5¢.

Posters:

Purebred sires and herd improvement. 10 by 15½ inches. Colored.

Products: Dairy Cattle

(See also Products: Livestock—General)

Farmers' Bulletins:

- 602 F. ▲ Production of clean milk. 5¢.
 876 F. ▲ Making butter on the farm. 5¢.
 *960 F. Neufchâtel and cream cheese: Farm manufacture and use. 5¢.
 976 F. Cooling milk and cream on the farm. 5¢.
 1315 F. Cleaning milking machines. 5¢.
 1451 F. ▲ Making and using cottage cheese in the home. 5¢.
 1675 F. ▲ Care of milk utensils on the farm. 5¢.
 1705 F. ▲ Milk for the family. 5¢.
 1734 F. ▲ Making American cheese on the farm for home consumption. 5¢.
 1818 F. Mechanical milk cooling on farms. 5¢.

Leaflets:

- 9 L. ▲ Making and storing farm butter for winter use. 5¢.
 177 L. ▲ The pasteurization of milk. 5¢.
 213 L. Sour cream: How to prepare and use it at home. 5¢.

Circulars:

- 99 C. Equipment for city milk plants. 10¢.
 *155 C. The ice well for the dairy farm. 5¢.
 214 C. Small plants for pasteurizing milk. 5¢.
 228 C. Construction and arrangement of city milk plants. 5¢.
 260 C. Operation and management of milk plants. 5¢.
 *279 C. Methods for manufacturing acid-precipitated casein from skim milk. 10¢.
 352 C. Packaging, curing, and merchandising American Cheddar cheese in cans. 5¢.
 359 C. The manufacture of brick cheese. 5¢.
 522 C. A soft cheese of the Bel Paese type. 5¢.

Department Bulletins:

- *319 D. Fermented milks. 5¢.
 608 D. Varieties of cheese: Descriptions and analyses. 15¢.
 *642 D. The four essential factors in the production of milk of low bacterial content. 15¢.
 1097 D. The effect of silage on the flavor and odor of milk. 5¢.

Miscellaneous Publications:

- 42 MP. Points to consider in establishing a cheese factory. 5¢.
 119 MP. The manufacture of low-acid rennet-type cottage cheese. 5¢.
 138 MP. Refrigeration in the handling, processing, and storing of milk and milk products. 10¢.
 146 MP. Milk-quality improvement program for 4-H dairy clubs. 5¢.
 *148 MP. A milk-quality improvement program for extension workers. 5¢.
 161 MP. Testing milk and cream. 5¢.
 213 MP. High-quality cream for butter making is easily produced by following 3 important steps. 5¢.
 386 MP. Packaging sliced Cheddar and Swiss cheese in cans for sandwich dispensers. 5¢.

Technical Bulletins:

- *84 T. Preservation of peaches for use in the manufacture of ice cream. 5¢.

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United States Department of Agriculture.

Technical Bulletins—Continued.

- *280 T. Effect of plant arrangement, equipment, and methods of operation in relation to breakage of bottles in milk plants. 10¢.
- 438 T. The effect of homogenization on certain characteristics of milk. 5¢.
- *671 T. Composition and properties of goat's milk as compared with cow's milk. 10¢.
- 756 T. The corrosive effect of chlorine and lye solutions on metals used in dairy equipment. 5¢.

Yearbook Separates:

- 1704 Y. ▲ Variations in the composition of milk. (1939.) 5¢.
- 1706 Y. ▲ The vitamins in milk and in milk production. (1939.) 5¢.
- 1708 Y. ▲ Milk in nutritional research—A sketch of progress. (1939.) 5¢.

Marketing: Dairy Cattle and Products

(See also Department Organization: Laws—Rules—Regulations, and Marketing: Livestock and Products)

Circulars:

- *16 C. Some economic aspects of the marketing of milk and cream in New England. 20¢.
- 352 C. Packaging, curing, and merchandising American Cheddar cheese in cans. 5¢.
- *432 C. Country milk-receiving and cooling stations. 10¢.
- 469 C. Milk-bottle losses and ways to reduce them. 10¢.
- 527 C. Large-scale organization in the dairy industry. 10¢.

Department Bulletins:

- *972 D. Unit requirements for producing market milk in eastern Nebraska. 5¢.
- 1344 D. Effect of various factors on the creaming ability of market milk.

Miscellaneous Publications:

- 138 MP. Refrigeration in the handling, processing, and storing of milk and milk products. 10¢.
- 161 MP. Testing milk and cream. 5¢.
- 409 MP. Judging dairy cattle on the basis of type and records of production. 10¢.

Separates from Agricultural Statistics:

- 6 SAS. Dairy and poultry statistics. (1936.)
- *26 SAS. Dairy and poultry statistics. (1938.) 10¢.
- *36 SAS. Dairy and poultry statistics. (1939.) 10¢.
- 46 SAS. Dairy and poultry statistics. (1940.) 10¢.

Technical Bulletins:

- *73 T. Some factors affecting the demand for milk and cream in the metropolitan area of New York. 15¢.
- 243 T. Transporting and handling milk in tanks. 10¢.
- 709 T. Supply responses in milk production in the Cabot-Marshfield area, Vermont. 10¢.
- 722 T. Production and consumption of manufactured dairy products. 15¢.
- 750 T. Supply responses in milk production in Dodge and Barron Counties, Wis. 15¢.
- 751 T. Trends in dairying by major type-of-farming regions. 25¢.
- 789 T. Supply responses in milk production in southeastern Minnesota. 10¢.

Yearbook Separates:

- *744 Y. How the dairy cow brought prosperity in the wake of the boll weevil. (1917.) 5¢.
- *1108 Y. Dairy and poultry statistics. (1930.) 10¢.
- *1153 Y. Dairy and poultry statistics. (1931.) 10¢.
- *1561 Y. Beef and dual-purpose cattle breeding. (1936.) 5¢.
- *1566 Y. Superior germ plasm in dairy herds. (1936.) 15¢.
- 1687 Y. Supervision and inspection of milk. (1939.) 5¢.

Unnumbered:

- Handbook of dairy statistics. (1928.)
- Handbook of official United States standards for quality of creamery butter.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Diseases and Parasites: Beef and Dairy Cattle*(See also Diseases and Parasites: Livestock—General; and Puerto Rico)***Farmers' Bulletins:**

- 1017 F. Cattle scab and methods of control and eradication. 5¢.
- 1355 F. Blackleg: Its nature, cause, and prevention. 5¢.
- 1422 F. Udder diseases of dairy cows. 5¢.
- 1625 F. Tick fever. 5¢.
- 1736 F. Anthrax. 5¢.
- 1871 F. Brucellosis of cattle (Bang's disease, infectious abortion). 5¢.

Leaflets:

- 75 L. Warts on cattle. 5¢.

Circulars:

- 154 C. Anaplasmosis in cattle. 5¢.
- *306 C. Trembles (or milk sickness). 5¢.
- *400 C. A simple method for detecting mastitis streptococci in milk. 10¢.
- 438 C. Lumpy jaw, or actinomycosis. 5¢.
- 514 C. Differential staining of sections of unpreserved bovine udder tissue affected with mastitis. 15¢.

Miscellaneous Publications:

- 59 MP. Reliability of the tuberculin test.
- 384 MP. Benefits of eradicating Bang's disease. 5¢.

Technical Bulletins:

- *522 T. Incomplete milking in relation to milk production and udder troubles in dairy cows. 5¢.
- 629 T. Communicability of infectious abortion between swine and cattle. 5¢.
- 658 T. Vaccination of calves and yearlings against Bang's disease. 5¢.

Unnumbered:

- *Special report on diseases of cattle. 1924. \$1.00.

Posters:

- Bang's disease: Brucellosis, infectious abortion of cattle. 16 by 20 inches. Black and white.
- Blackleg. 16 by 20 inches. Black and white.
- Bovine mastitis (garget, mammitis, caked udder). 16 by 20 inches. Black and white.
- Fight tuberculosis—protect your herd. 16 by 23 inches. Colored.
- Help eradicate scabies. 14 by 19 inches. Colored.

Insects: Beef and Dairy Cattle*(See also Insects: Livestock—General)***Farmers' Bulletins:**

- 909 F. Cattle lice and how to eradicate them. 5¢.
- 1057 F. Cattle-fever ticks and methods of eradication. 5¢.
- 1596 F. Cattle grubs or heel flies with suggestions for their control. 5¢.
- 1625 F. Tick fever. 5¢.

Leaflets:

- *51 L. Improving cattle in areas freed of ticks. 5¢.
- 205 L. The horn fly and its control. 5¢.

Miscellaneous Publications:

- 2 MP. The story of the cattle-fever tick: What every southern child should know about cattle ticks. 10¢.

Technical Bulletins:

- *500 T. Biology of the primary screw worm fly, *Cochliomyia americana*, and a comparison of its stages with those of *C. macellaria*. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

▲▲ GOATS

(See also Livestock—General)

Farmers' Bulletins:

- 920 F.▲Milk goats. 5¢.
1203 F. The Angora goat. 5¢.

Yearbook Separates:

- 1600 Y. Breeding goats. (1937.) 10¢.
*1712 Y. Feeding problems with goats. (1939.) 5¢.

Insects: Goats

(See also Insects: Livestock—General)

Leaflets:

- 13 L. Sheep and goat lice: Methods of control and eradication. 5¢.

Products: Goats

Technical Bulletins:

- *671 T. Composition and properties of goat's milk as compared with cow's milk. 10¢.
800 T. The effect of pasteurization on some constituents and properties of goats' milk. 5¢.

▲▲ HOGS

(See also Livestock—General)

Farmers' Bulletins:

- *614 F. A Corn-Belt farming system which saves harvest labor by hogging down crops. 5¢.
1186 F.▲Pork on the farm: Killing, curing, and canning. 5¢.
1263 F.▲Breeds of swine. 5¢.
1357 F. Castration of hogs. 5¢.
1437 F.▲Swine production. 5¢.
1455 F. Fitting, showing, and judging hogs. 5¢.
1487 F. Practical hog houses. 5¢.
1490 F. Hog-lot equipment. 5¢.
1504 F. Self-feeding versus hand-feeding sows and litters. 5¢.

Circulars:

- 472 C. Comparative value of mature sows and gilts for producing market hogs. 5¢.
532 C. Production of hogs suitable for Wiltshire sides. 10¢.
570 C. Influence of inbreeding and other factors on litter size in Chester White swine. 5¢.

Department Bulletins:

- 1492 D. Some results of soft-pork investigations, II. 15¢.

Technical Bulletins:

- *110 T. Correcting the inefficiency of peanuts for growth in pigs. 5¢.
413 T. Effect of quantity and kinds of feed on economy of gains and body composition of hogs. 5¢.

Yearbook Separates:

- 1397 Y. Trend in hog production is toward efficiency and quality of product. (1933.) 5¢.
*1562 Y. Swine—Some current breeding problems. (1936.) 5¢.
1709 Y.▲Nutritive requirements of swine. (1939.) 5¢.
1710 Y.▲Practices in swine feeding. (1939.) 5¢.

Posters:

- Mold your animals into improved individuals. 8½ by 12 inches. Colored.

Diseases and Parasites: Hogs

(See also Diseases and Parasites: Livestock—General; and Puerto Rico)

Farmers' Bulletins:

- 781 F. Tuberculosis of hogs. 5¢.
834 F. Hog cholera: Prevention and treatment. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Farmers' Bulletins—Continued.

- 1244 F. Diseases, ailments, and abnormal conditions of swine. 5¢.
 1787 F. Internal parasites of swine. 10¢.

Leaflets:

- 5 L. The prevention of round worms in pigs. 5¢.
 34 L. Trichinosis: A disease caused by eating raw pork. 5¢.
 102 L. Eradicating tuberculosis from poultry and swine. 5¢.
 108 L. Controlling kidney worms in swine in the Southern States. 5¢.
 118 L. Controlling lungworms of swine. 5¢.

Technical Bulletins:

- *405 T. Field and laboratory studies on the behavior of the larvae of the swine kidney worm, *Stephanurus dentatus*. 5¢.
 437 T. Development of the swine nematode, *Strongyloides ransomi*, and the behavior of its infective larvae. 5¢.
 629 T. Communicability of infectious abortion between swine and cattle. 5¢.

Posters:

- Free your swine and poultry from tuberculosis. 6½ by 8½ inches. Black and white.
 Hog cholera. 16 by 20 inches. Black and white.
 Roundworm control and better pigs. 15 by 20 inches. Black and white.
 The kidney worm: A serious obstacle to swine production in the South. 15 by 20 inches. Colored.
 Trichinosis. 16 by 20 inches. Black and white.

Insects: Hogs

(See also Insects: Livestock—General)

Farmers' Bulletins:

- 1085 F. Hog lice and hog mange: Methods of control and eradication. 5¢.

Products: Hogs

(See also Products: Livestock—General)

Farmers' Bulletins:

- 1186 F. Pork on the farm: Killing, curing, and canning. 5¢.

Department Bulletins:

- 1492 D. Some results of soft-pork investigations, II. 15¢.

Posters:

- Cook pork and its products thoroughly. 11 by 13½ inches. Colored.

Marketing: Hogs

(See also Marketing: Livestock and Products)

Circulars:

- 288 C. Market classes and grades of pork carcasses and fresh pork cuts. 10¢.
 569 C. Market classes and grades of swine. 10¢.

Department Bulletins:

- 1440 D. Factors affecting the price of hogs. 15¢.

Miscellaneous Circulars:

- 57 MC. The tattoo method of marking hogs and its use. 5¢.

Miscellaneous Publications:

- 222 MP. The direct marketing of hogs. 20¢.

Separates from Agricultural Statistics:

- 5 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1936.)
 *25 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1938.) 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Separates from Agricultural Statistics—Continued.

- *35 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules.
(1939.) 10¢.
45 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules.
(1940.) 10¢.
55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules.
(1941.)

Technical Bulletins:

- *359 T. Farmers' response to price in hog production and marketing. 5¢.

Yearbook Separates:

- *1152 Y. Statistics of cattle, hogs, sheep, horses, mules, asses, and honey. (1931.) 15¢.

Charts:

- *Four charts showing wholesale and retail cuts of beef, veal, lamb, and fresh pork. 50¢ per set.

Posters:

- U. S. grades of slaughter swine. 21 by 38 inches. Black and white.

▲▲ HORSES

(See also Livestock—General)

Farmers' Bulletins:

- 619 F. ▲Breeds of draft horses. 5¢.
779 F. ▲How to select a sound horse. 5¢.
803 F. ▲Horse-breeding suggestions for farmers. 5¢.
952 F. ▲Breeds of light horses. 5¢.
1030 F. ▲Feeding horses. 5¢.
1368 F. ▲Breaking and training colts. 5¢.
1419 F. ▲Care and management of farm work horses. 5¢.
1535 F. ▲Farm horseshoeing. 5¢.

Technical Bulletins:

- 661 T. Rearing foals and lambs by the use of colostrum, blood serum, and substitute milks. 10¢.

Yearbook Separates:

- *1564 Y. Improving horses and mules. (1936.) 5¢.
1713 Y. ▲Nutrition of horses and mules. (1939.) 5¢.

Diseases and Parasites: Horses

(See also Diseases: Livestock—General; and Puerto Rico)

Farmers' Bulletins:

- 1146 F. Dourine of horses. 5¢.
1819 F. Infectious anemia (swamp fever). 5¢.

Circulars

- *148 C. Parasites and parasitic diseases of horses. 10¢.

Unnumbered:

- *Special report on diseases of the horse. 1924. \$1.00.

Posters:

- Infectious anemia. 16¼ by 20 inches. Black and white.
Infectious encephalomyelitis: A disease of horses and mules. 16 by 20 inches. Black and white.

Insects: Horses

(See also Insects: Livestock—General)

Farmers' Bulletins:

- 1503 F. The horse bots and their control. 5¢.

Department Bulletins:

- *1218 D. Horse-flies: Biologies and relation to western agriculture. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Miscellaneous Publications:

- *305 MP. The horseflies of the subfamily Tabaninae of the Nearctic Region. 20¢.

Marketing: Horses**Separates from Agricultural Statistics:**

- 5 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1936.)
 *25 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1938.) 10¢.
 *35 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1939.) 10¢.
 45 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1940.) 10¢.
 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)

Yearbook Separates:

- *1152 Y. Statistics of cattle, hogs, sheep, horses, mules, asses, and honey. (1931.) 15¢.

▲▲ MULES

(See also Livestock—General)

Farmers' Bulletins:

- 1341 F. ▲Mule production. 5¢.

Yearbook Separates:

- 1564 Y. Improving horses and mules. (1936.) 5¢.
 1713 Y. ▲Nutrition of horses and mules. (1939.) 5¢.

Diseases and Parasites: Mules**Farmers' Bulletins:**

- 1819 F. Infectious anemia (swamp fever). 5¢.

Posters:

- Infectious anemia. 16¼ by 20 inches. Black and white.
 Infectious encephalomyelitis: A disease of horses and mules. 16 by 20 inches. Black and white.

Marketing: Mules**Separates from Agricultural Statistics:**

- 5 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1936.)
 *25 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1938.) 10¢.
 *35 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1939.) 10¢.
 45 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1940.) 10¢.
 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)

Yearbook Separates:

- *1152 Y. Statistics of cattle, hogs, sheep, horses, mules, asses, and honey. (1931.) 15¢.

▲▲ SHEEP

(See also Livestock—General)

Farmers' Bulletins:

- 576 F. ▲Breeds of sheep for the farm. 5¢.
 810 F. Equipment for farm sheep raising. 5¢.
 840 F. ▲Farm sheep raising for beginners. 5¢.
 *1051 F. ▲Sheep on irrigated farms in the Northwest. 5¢.
 1134 F. Castrating and docking lambs. 5¢.
 1181 F. ▲Raising sheep on temporary pastures. 5¢.
 1199 F. Judging sheep. 5¢.
 1268 F. Sheep-killing dogs. 10¢.
 1632 F. Karakul sheep. 5¢.
 1710 F. ▲Range sheep production. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Circulars:

- *308 C. Comparison of Rambouillet, Corriedale, and Columbia sheep under intermountain range conditions. 5¢.
- 538 C. Some factors affecting survival, growth, and selection of lambs. 5¢.
- 541 C. Estimating weights of lambs at a constant age. 5¢.
- 543 C. Two rapid methods for estimating fineness and cross-sectional variability of wool. 5¢.
- 580 C. Some factors affecting the progeny testing of rams. 5¢.

Technical Bulletins:

- 600 T. The influence of climate and grazing on spring-fall sheep range in southern Idaho. 10¢.
- 661 T. Rearing foals and lambs by the use of colostrum, blood serum, and substitute milks. 10¢.

Yearbook Separates:

- 1398 Y. Sheep raising in U. S. has changed greatly since pioneer period. (1933.) 5¢.
- 1697 Y. ▲The relation of nutrition to the production of hides and wool. (1939.) 5¢.
- 1711 Y. ▲Feeding problems with sheep. (1939.) 5¢.

Diseases and Parsites: Sheep*(See also Diseases: Livestock—General)***Farmers' Bulletins:**

- 713 F. Sheep scab. 5¢.
- 798 F. The sheep tick and its eradication by dipping. 5¢.
- 1155 F. Diseases of sheep. 5¢.
- 1330 F. Parasites and parasitic diseases of sheep. 5¢.

Leaflets:

- *89 L. Controlling stomach worms in sheep and lambs. 5¢.

Technical Bulletins:

- 580 T. Toxicity of arrow-grass for sheep and remedial treatment. 5¢.

Posters:

- Help eradicate scabies. 14 by 19 inches. Colored.
- Stomach worm infestation of sheep. 16 by 20 inches. Black and white.

Insects: Sheep*(See also Insects: Livestock—General)***Farmers' Bulletins:**

- 798 F. The sheep tick and its eradication by dipping. 5¢.

Leaflets:

- 13 L. Sheep and goat lice: Methods of control and eradication. 5¢.

Products: Sheep*(See also Products: Livestock—General)***Farmers' Bulletins:**

- 1807 F. ▲Lamb and mutton on the farm. 5¢.

Marketing: Sheep and Products*(See also Department Organization: Laws—Rules—Regulations, and Marketing: Livestock and Products)***Farmers' Bulletins:**

- 1805 F. Grading wool. 5¢.

Leaflets:

- 92 L. Preparing wool for market. 5¢.
- 122 L. U. S. graded and stamped meat. 5¢.

Circulars:

- 383 C. Market classes and grades of lambs and sheep. 10¢.
- 543 C. Two rapid methods for estimating fineness and cross-sectional variability of wool. 5¢.
- 590 C. A rapid method for projecting and measuring cross sections of wool fibers. 5¢.
- 604 C. Trading in wool top futures. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Separates from Agricultural Statistics:

- 5 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1936.)
 *25 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1938.) 10¢.
 *35 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1939.) 10¢.
 45 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1940.) 10¢.
 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)

Technical Bulletins:

- 124 T. Some factors affecting the marketing of wool in Australia, New Zealand, the Union of South Africa, England, and France. 25¢.

Yearbook Separates:

- *1152 Y. Statistics of cattle, hogs, sheep, horses, mules, asses, and honey. (1931.) 15¢.

Charts:

- *Four charts showing wholesale and retail cuts of beef, veal, lamb, and fresh pork. 50¢ per set.

Posters:

- U. S. grades of slaughter lambs. 21 by 38 inches. Black and white.

▲▲ POULTRY**Farmers' Bulletins:**

- 684 F. ▲Squab raising. 5¢.
 697 F. ▲Duck raising. 5¢.
 767 F. ▲Goose raising. 5¢.
 849 F. ▲Capon and caponizing. 5¢.
 1373 F. ▲Homing pigeons: Their care and training. 5¢.
 1391 F. The guinea fowl. 5¢.
 1409 F. ▲Turkey raising. 5¢.
 1506 F. ▲Standard breeds and varieties of chickens: I. American, Asiatic, English, and Mediterranean classes. 5¢.
 1507 F. Standard breeds and varieties of chickens: II. Continental European, Oriental, and miscellaneous classes. 10¢.
 1508 F. ▲Poultry keeping in back yards. 5¢.
 1524 F. ▲Farm poultry raising. 5¢.
 1538 F. ▲Incubation and brooding of chickens. 5¢.
 1554 F. Poultry houses and fixtures. 5¢.
 1614 F. Business records for poultry keepers. 5¢.
 1727 F. ▲Selecting hens for egg production. 5¢.
 1841 F. ▲The feeding of chickens. 5¢.

Circulars:

- 446 C. ▲Poultry management in subtropical, semiarid climates. 5¢.
 525 C. Artificial insemination of chickens and turkeys. 5¢.

Miscellaneous Publications:

- 127 MP. Peafowl and their care. 5¢.
 300 MP. The National Poultry Improvement Plan. 5¢.
 317 MP. Improving poultry through the National Poultry Improvement Plan. 5¢.
 368 MP. Federal poultry research at the Agricultural Research Center, Beltsville, Md. 10¢.

Technical Bulletins:

- 553 T. Effect of temperature, humidity, and other factors on hatch of hen's eggs and on energy metabolism of chick embryos. 10¢.
 *632 T. Loss, during storage, of vitamin A from alfalfa leaf meals fed to chickens. 5¢.

Yearbook Separates:

- 1602 Y. ▲The breeding of turkeys and ducks. (1937.) 5¢.
 1714 Y. ▲Practical nutritive requirements of poultry. (1939.) 10¢.

Posters:

- A guide to quality poultry. 14 by 20 inches. Colored.
 Hatch early (Why it pays). 10 by 14½ inches. Colored.
 Standard-bred poultry pays best. 10¼ by 15¼ inches. Colored.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Diseases and Parasites: Poultry**Farmers' Bulletins:**

- 1652 F. Diseases and parasites of poultry. 15¢.

Leaflets:

- 102 L. Eradicating tuberculosis from poultry and swine. 5¢.
207 L. Controlling gapeworms in poultry. 5¢.

Miscellaneous Publications:

- 349 MP. Use of the rapid whole-blood test for pullorum disease. 5¢.

Technical Bulletins:

- 49 T. Nematodes of pathological significance found in some economically important birds in North America. 5¢.
*569 T. The nematode, *Ornithostrongylus quadriciratus*, a parasite of the domesticated pigeon. 10¢.
679 T. Studies on the development of the pigeon capillarid, *Capillaria columbae*. 5¢.

Posters:

- Fowl (avian) tuberculosis. 16 by 20 inches. Black and white.
Free your swine and poultry from tuberculosis. 6½ by 8½ inches. Black and white.
Free your poultry flock of tuberculosis. 5 by 8 inches. Black and white.
Gapeworms. 16 by 20 inches. Black and white.
Pullorum disease (formerly called bacillary white diarrhea): A disease of chickens, occasionally affecting turkeys. 16 by 20 inches. Black and white.

Insects: Poultry**Farmers' Bulletins:**

- 801 F. Mites and lice on poultry. 5¢.
1070 F. The fowl tick and how premises may be freed from it. 5¢.

Marketing: Poultry and Products**Farmers' Bulletins:**

- 1377 F. Marketing poultry. 5¢.
1378 F. Marketing eggs. 10¢.
1694 F. Dressing and packing turkeys for market. 5¢.
1815 F. Grading dressed turkeys. 5¢.

Circulars:

- 583 C. Eggs and egg products. 15¢.

Miscellaneous Publications:

- 158 MP. Handbook of poultry and egg statistics. 15¢.
283 MP. Economic survey of the live-poultry industry in New York City. 15¢.

Separates from Agricultural Statistics:

- 6 SAS. Dairy and poultry statistics. (1936.)
*26 SAS. Dairy and poultry statistics. (1938.) 10¢.
*36 SAS. Dairy and poultry statistics. (1939.) 10¢.
46 SAS. Dairy and poultry statistics. (1940.) 10¢.

Technical Bulletins:

- 768 T. Quality of frozen poultry as affected by storage and other conditions. 5¢.

Yearbook Separates:

- *1108 Y. Dairy and poultry statistics. (1930.) 10¢.
*1153 Y. Dairy and poultry statistics. (1931.) 10¢.

Unnumbered:

- Handbook of official United States standards for individual eggs.
How the Government aids the poultry industry.

SMALL ANIMALS

(See also Wildlife)

Farmers' Bulletins:

- 1268 F. Sheep-killing dogs. 10¢.
1491 F. Breeds of dogs. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Department Bulletins:

- *1090 D. The effects of inbreeding and crossbreeding on guinea pigs. 15¢.

Technical Bulletins:

- 222 T. Genetic growth differentiation in guinea pigs. 10¢.
765 T. Effect of crossing inbred lines of guinea pigs. 5¢.

Yearbook Separates:

- 1715 Y. Nutritional requirements of dogs. (1939.) 5¢.
1716 Y. Feeding dogs. (1939.) 5¢.
1717 Y. Nutrition of fur animals. (1939.) 5¢.

Diseases and Parasites: Small Animals**Farmers' Bulletins:**

- 449 F. Rabies or hydrophobia. 5¢.

Department Circulars:

- 388 DC. Parasites and parasitic diseases of dogs. 5¢.

Insects: Small Animals**Farmers' Bulletins:**

- 980 F. The spinose ear tick and methods of treating infested animals. 5¢.

Circulars:

- 478 C. The American dog tick, eastern carrier of Rocky Mountain spotted fever. 5¢.

Products: Small Animals**Farmers' Bulletins:**

- 1334 F. Home tanning of leather and small fur skins. 10¢.

CHARTS—MAPS—POSTERS

(See also Bureau List: Agricultural Conservation and Adjustment Administration, Agricultural Marketing Administration, Bureau of Agricultural Economics, Forest Service, and Rural Electrification Administration.)

ANIMALS**Beef Grading Charts:**

- No. 1. Beef graded and stamped by U. S. Government graders. (Hind quarter.) 12 by 16 inches. Colored.
No. 2. Beef graded and stamped by U. S. Government graders. (Forequarter.) 12 by 16 inches. Colored.
No. 3. Steaks and roasts from U. S. Government graded beef. 12 by 16 inches. Colored.

Livestock Health Series:

- Anthrax: A disease affecting principally cattle, horses, and sheep, transmissible also to other species and very dangerous to man. 16 by 20 inches. Black and white.
Bang's disease: Brucellosis, infectious abortion of cattle. 16 by 20 inches. Black and white.
Blackleg. 16 by 20 inches. Black and white.
Bovine mastitis (garget, mammitis, caked udder). 16 by 20 inches. Black and white.
Fowl (avian) tuberculosis. 16 by 20 inches. Black and white.
Gapeworms. 16 by 20 inches. Black and white.
Hog cholera. 16 by 20 inches. Black and white.
Infectious anemia: A disease affecting horses, mules, and asses. 16 by 20 inches. Black and white.
Infectious encephalomyelitis: A disease of horses and mules. 16 by 20 inches. Black and white.
Pullorum disease (formerly called bacillary white diarrhea): A disease of chickens, occasionally affecting turkeys. 16 by 20 inches. Black and white.
Stomach worm infestation of sheep. 16 by 20 inches. Black and white.
Trichinosis. 16 by 20 inches. Black and white.

***Livestock-Improvement Series (25¢ a set):**

- No. 1. Judging dairy cows at a community picnic. 11¼ by 14¾ inches. Black and white.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Livestock-Improvement Series (25¢ a set)—Continued.

- No. 2. Spirit and strength in horseflesh. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 3. Mutton in the making. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 4. No hunger strike here (pigs). $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 5. Feeding her flock of White Wyandottes. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 6. An accredited dairy herd. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 7. Angora goats. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 8. Castor, versatile Morgan horse. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 9. Growing into the beef business. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 10. They'll pull you through (mules). $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 11. Guarding his master's flock (dog). $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.
- No. 12. Well-bred milk goats. $11\frac{1}{4}$ by $14\frac{3}{4}$ inches. Black and white.

Posters:

- A guide to quality poultry. 14 by 20 inches. Colored.
- Fight tuberculosis—protect your herd. 16 by 23 inches. Colored.
- Foot-and-mouth disease. 13 by 18 inches. Colored.
- "48% more money from purebreds." $15\frac{1}{2}$ by 20 inches. Colored.
- Free your swine and poultry from tuberculosis. $6\frac{1}{2}$ by $8\frac{1}{2}$ inches. Black and white.
- Free your poultry flock of tuberculosis. 5 by 8 inches. Black and white.
- Hatch early (why it pays). $10\frac{1}{8}$ by $14\frac{1}{2}$ inches. Colored.
- Help eradicate scabies. 14 by 19 inches. Colored.
- Mold your animals into improved individuals. $8\frac{1}{2}$ by 12 inches. Colored.
- Purebred sires and herd improvements. 10 by $15\frac{1}{2}$ inches. Colored.
- Roundworm control and better pigs. 15 by 20 inches. Black and white.
- Standardbred poultry pays best. $10\frac{1}{8}$ by $15\frac{1}{4}$ inches. Colored.
- The kidney worm: A serious obstacle to swine production in the South. 15 by 20 inches. Colored.
- U. S. grades of slaughter cows. 21 by 33 inches. Colored.
- U. S. grades of slaughter heifers. 21 by 38 inches. Colored.
- U. S. grades of slaughter lambs. 21 by 38 inches. Black and white.
- U. S. grades for slaughter steers. 21 by 38 inches. Black and white.
- U. S. grades for slaughter swine. 21 by 38 inches. Black and white.

CLOTHING**Charts:**

- *Clothing selection. Set of 9 charts, 20 by 30 inches. Black and white. Sold in sets only. 40¢ a set.
1. Cloth coats for women.
 2. Wash dresses for women.
 3. Costume slips.
 4. Women's hosiery.
 5. Rompers for creeping babies.
 6. Little girls' dresses.
 7. Little boys' suits.
 8. Winter playsuits.
 9. Sun suits.

COTTON**Posters:**

- Turn surplus cotton into better living. 21 by 28 inches. Brown and white.

▲▲ FOODS**Defense Poster Series:**

- ▲*Make America strong. Set of 13 posters, 20 by 25 inches. Black and white. Sold in sets only. 75¢ a set.
1. You can help make America strong.
 2. Millions now don't get the food they need.
 3. Some can't buy, some don't know, some don't try.
 4. There's danger—when people tire too easily, when minds are slow to think, when bodies can't fight disease.
 5. These breed danger—meals that are too meager, meals poorly prepared, meals low in protective foods.
 6. These build strength—meals that are ample, meals well prepared, meals rich in protective foods.

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Defense Poster Series—Continued.

7. You can use the land you have to grow the foods you need.
8. You can learn best ways to can and store the foods you need.
9. You can plan and prepare balanced meals for your family.
10. Your community can sponsor a school lunch program for its children.
11. Your community can use many ways to teach family food needs.
12. Your community can work for low-cost ways of selling needed foods.
13. Let's get to work to make Americans strong.

Charts:

*Child feeding. Set of 8 charts. 15 by 23 inches. Black and white. Sold in sets only. 25¢ a set.

1. Happy, healthy, growing (children).
2. Signs of good nutrition.
3. Right start for baby.
4. Aids to good food habits.
5. Good beginning in self-help.
6. Same menu for all.
7. Meals for 3-year-old.
8. Foods for good nutrition.

*Meat cooking. Set of 7 charts. 20 by 30 inches. Black and white. Sold in sets only. 50¢ a set.

1. Do you know meat cuts and cook according to cut?
2. Roasting a tender cut.
3. Stuffing low-priced tender roasts.
4. Broiling tender steaks and chops.
5. Pot-roasting a less-tender cut.
6. Braising a less-tender steak.
7. Ground meat in savory ways.

*Nutrition. Set of 11 charts. 15 by 23 inches. Black and white. Sold in sets only. 50¢ a set.

1. Growth—Is an index of nutrition.
2. Growth—May be controlled by diet.
3. Protein—For building muscles and all tissues.
4. Calcium—For building strong bones and teeth.
5. Phosphorus—Needed in all parts of body.
6. Iron—For red blood.
7. Vitamin A—For growth and the prevention of certain infections.
8. Vitamin B—For good appetite and good muscle tone.
9. Vitamin C—For healthy gums and teeth.
10. Vitamin D—For good bones and teeth.
11. Vitamin G—For general well being.

*Poultry cooking. Set of 8 charts. 20 by 30 inches. Black and white. Sold in sets only. 50¢ a set.

1. Cooking poultry.
2. Broiling a young bird.
3. To fry chicken.
4. Stuffing and trussing.
5. Roasting young turkey.
6. Roasting young duck.
7. Braising a fowl.
8. Stewing a fowl.

*Wholesale and retail cuts of beef, veal, lamb, and fresh pork. Set of 4 charts. 16 by 24 inches. Black and white. Sold in sets only. 50¢ a set.

Posters:

Cook pork and its products thoroughly. 11 by 13½ inches. Colored.

Do you know good beef? 14 by 20 inches. Colored.

*100-Calorie portions of a few familiar foods. Shows pen and ink sketches of 20 foods. 17 by 24 inches. 10¢.

These foods prevent pellagra. 16 by 24 inches. Colored.

INSECTS**Picture Sheets:**

- No. 1. Tomato hornworms. 5¾ by 9¼ inches. Colored. 5¢.
- No. 2. Mexican bean beetle. 5¾ by 9¼ inches. Colored. 5¢.
- No. 3. Colorado potato beetle. 5¾ by 9¼ inches. Colored. 5¢.
- No. 4. Japanese beetle. 5¾ by 9¼ inches. Colored. 5¢.
- No. 5. Harlequin bug. 5¾ by 9¼ inches. Colored. 5¢.
- No. 6. Gladiolus thrips. 5¾ by 9¼ inches. Colored. 5¢.
- No. 7. Striped cucumber beetle. 5¾ by 9¼ inches. Colored. 5¢.
- No. 8. Potato leafhopper. 5¾ by 9¼ inches. Colored. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Picture Sheets—Continued.

- No. 9. Imported cabbage worm. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.
 No. 10. Squash borer. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.
 No. 11. Corn earworm. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.
 No. 12. Fall armyworm. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.
 No. 13. Tomato fruitworm. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.

Posters:

- Help fight the European corn borer. 21 by 32 inches. Colored.

MAPS**Miscellaneous Publications:**

- *421 MP. Atlas of climatic types in the United States, 1900-1939.
 \$1.25.

Unnumbered:

- *Atlas of American Agriculture: Bound volume including section on land relief. \$17.00.
 Separates from the Atlas:
 *Frost and the growing season. 75¢.
 *Natural vegetation. 75¢.
 *Precipitation and humidity. \$1.50.
 *Soils of the United States. \$5.00.
 *Temperature, sunshine, and wind. \$1.60.
 *Geography of the world's agriculture. \$1.00.
 Land-use adjustment areas. 30 by 40 inches. Colored.
 *Natural land-use areas of the United States. $40\frac{1}{2}$ by $51\frac{1}{2}$ inches. Colored. 50¢.
 *Value of farm land and buildings per acre. Based on the 1930 Census. 26 by 40 inches. Colored. 25¢.

PLANT DISEASES**Posters:**

- *No. 1. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Black leg, eastern type.
 B, C. Alternaria tuber rot.
 D. Blackleg, western type.
 E. Silver scurf.
 *No. 2. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Bacterial soft rot or slimy soft rot.
 C, D, E. Brown rot or southern bacterial wilt.
 F, G. Sclerotium rot.
 *No. 3. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Chemical injury.
 C, D, E. Black-heart.
 F. Greening or sunburn.
 G. Enlarged lenticels.
 *No. 4. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Freezing injury, general type.
 B. Freezing necrosis.
 C. Internal brown spot.
 D. Heat and drought necrosis.
 E. Net necrosis.
 *No. 5. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B, C. Fusarium tuber rot, wet type.
 *No. 6. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Fusarium tuber rot. (*Fusarium radicola*).
 B, C, D. Fusarium tuber rot. (*Fusarium trichothecioides*).
 *No. 7. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Fusarium stem-end rot.
 C. Jelly end rot.
 D, E. Fusarium wilt.
 *No. 8. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Hollow heart.
 B. Growth cracks.
 C. Mechanical injury and immaturity.
 D. Second growth, knobiness, and immaturity.
 *No. 9. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B, D, E. Late blight tuber rot, shallow lesion type.
 C, F. Late blight tuber rot, deep soft lesion type in southern stock.
 *No. 10. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Scald, caused by exposure to sun after digging.
 C, D. Leak (*Pythium* species).
 *No. 11. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Wart.
 C, D. Powdery scab.

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Posters—Continued.

- *No. 12. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Scab, early stage, mild type.
B. Scab, late, severe type.
C. Black scurf.
D. Russett scab.
- *No. 13. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, B. Flea-beetle injury.
C. Nematode injury.
D, E. Tuber-moth injury.
- *No. 14. Corn diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Diplodia seedling blight.
B. Gibberella seedling blight.
- *No. 15. Corn diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, B. Healthy germinating kernels.
C, D, E. Germinating kernels infected with Cephalosporium.
F, G, H. Germinating kernels infected with Fusarium.
- *No. 16. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Anthracnose rot.
B. Ring rot.
C. Phoma rot, early stage.
D, E. Phoma rot, late stages.
- *No. 17. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Bacterial spot, very early stage.
B, C. Bacterial spot, medium and late stages.
D, E. Bacterial canker.
- *No. 18. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, B. Blossom-end rot.
C. Catface.
D. Growth cracks.
E. Skin checks and cracks.
- *No. 19. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, B, C. Late blight rot.
D, E, F. Buckeye rot.
- *No. 20. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, B, C. Green mold rot.
D. Rhizopus rot.
- *No. 21. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, B. Nailhead spot, early stages.
C, D, E. Nailhead spot, medium and late stages.
- *No. 22. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, B. Sulphur dioxide injury.
C, D, E. Streak.
- *No. 23. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
Soil rot, various stages.
- *No. 24. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Sun scald.
B. Alternaria rot.
C. Sun scald followed by bacterial soft rot.
D. Fusarium rot.
E. Soil rot, early stage on green fruit.
- *No. 25. Pepper diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Rhizopus rot.
B. Bacterial spot.
C, D, E. Anthracnose, various stages.
- *No. 26. Eggplant diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
Fruit rot.
- *No. 27. Apple diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Blue-mold rot on Yellow Newtown.
B. Black rot on Rome Beauty.
C. Bitter rot.
D. Brown rot on Winesap.
E. Alternaria rot on Rome Beauty.
F. Pink-mold rot on Yellow Transparent.
- *No. 28. Apple diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A, C, D, E. Bullseye rot (perennial canker) on Esopus Spitzenburg.
B. Fish-eye rot on Stayman Winesap.
- *No. 29. Apple diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Fruit spot on Grimes Golden.
B. Storage scab on Rome Beauty.
C. Flyspeck and sooty blotch on Arkansas (Mammoth Black Twig).
D. Scab as developed on Rome Beauty on the tree.
E. Sooty blotch on Arkansas (Mammoth Black Twig).
F. Powdery mildew on Esopus Spitzenburg.

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Posters—Continued.

- *No. 30. Apple diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Phytophthora rot on Grimes Golden.
 B. Phytophthora rot on Grimes Golden. (Cross Section.)
 C. Blotch on Oldenburg.
 D. Cedar rust on Rome Beauty.
 E. Cedar rust on York Imperial.
 F. Quince rust on York Imperial.
- *No. 31. Apple diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Jonathan spot on Jonathan.
 B. Scald on Baldwin.
 C. Soft scald on Winesap showing black spots caused by secondary fungus infection.
 D. Soggy break-down on Grimes Golden.
 E. Bitter pit on Delicious.
 F. Soft scald on Rome Beauty.
- *No. 32. Apple injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, E. Drought spot on Winesap.
 B. Lime-sulphur injury.
 C. Hail injury on Jonathan.
 D. Spray injury, probably by Bordeaux mixture, on Ben Davis.
- *No. 33. Apple diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Watercore on Winesap.
 B. Watercore on Rome Beauty, followed by internal break-down.
 C, D. Internal browning of Yellow Newtown.
 E. Internal break-down of Stayman Winesap.
 F. Internal break-down of York Imperial.
- *No. 34. Apple injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Heat injury on York Imperial.
 B, C. Heat injury on Northwestern Greening.
 D. Heat injury (hollow apple).
 E. Sunburn on Yellow Newtown.
 F. Cork.
- *No. 35. Apple injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Freezing injury on Winesap, likely to be confused with transit bruising.
 B. Freezing injury. (Cross section of A.)
 C. Section of a severely frozen Winesap.
 D. Apple completely killed by freezing.
 E, F. Injury on Delicious caused by freezing when apple was young.
- *No. 36. Apple injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Transit bruising on Yellow Newtown.
 C. Rome Beauty showing—
 (a) Water-soaked condition of flesh characteristic of transit injury.
 (b) (c) Ordinary "box" bruises.
 D. Transit bruising on Winesap.
 E. Transit bruising on Delicious.
 F. Rome Beauty showing water-soaked flesh underlaid by a broken region.
- *No. 37. Apple injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Acid injury followed by decay on Rome Beauty.
 B. Acid injury.
 C. Arsenic injury followed by decay on Winesap.
 D. Arsenic injury on Yellow Newtown. No decay.
 E. Alkali injury.
 F. Ammonia injury on Winesap produced by 12 hours' exposure to an atmosphere containing $3\frac{1}{2}$ percent ammonia gas.
- *No. 38. Pear diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A. Gray-mold rot on Winter Nelis.
 B. Rhizopus rot on Bartlett.
 C. Black rot.
 D. Blue-mold rot on Anjou.
 E. Brown rot on Kieffer.
- *No. 39. Pear diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Scab on Bartlett.
 C. Pink-mold rot following scab, on Bartlett.
 D. Black spot.
 E. Black spot on quince.
- *No. 40. Pear injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 A, B. Transit bruising on Anjou. Pear from floor box.
 C. Injury caused by bruise or rub on Anjou.
 D. Core break-down on Anjou.

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Posters—Continued.

- *No. 41. Pear injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Smothering injury on Bartlett.
 - B. Injury caused by long exposure to temperatures only slightly below the freezing point. Bartlett.
 - C. Injury caused by sodium silicate in corrugated paper lining of boxes.
 - D. Anjou scald.
 - E. Injury caused by copper-treated wrapper on Anjou.
- *No. 42. Apple and pear injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Spotting caused by San Jose scale.
 - B. Codling moth sting injury.
 - C, D. Stigmonose injury.
 - E. Rosy apple aphid injury.
 - F. Pear-leaf blister-mite injury.
 - G. Pansy-spot injury on McIntosh.
- *No. 43. Peach diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Bacterial spot.
 - B. Scab.
 - C, D. Leaf curl.
- *No. 44. Stone fruit diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Blue-mold rot of peach.
 - B. Gray-mold rot of peach.
 - C. Physiological spot of "scab" of apricot.
 - D. California blight of peach.
 - E. Brown rot of plum.
- *No. 45. Peach diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Brown rot.
 - B. Brown rot; longitudinal section.
 - C. Rhizopus rot.
 - D. Rhizopus rot; longitudinal section.
- *No. 46. Peach and plum diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Peach, spotting of skin after storage at 32° F. for 3 weeks and 70° for 3 days.
 - B. Peach, internal break-down after storage at 40° F. for 2 weeks and 70° F. for 3 days.
 - C. Peach, hail injury.
 - D, E. Plum russet caused by thrips.
- *No. 47. Plum diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A, B, C, D. Drought injury of prune.
 - E. Rhizopus rot of plum.
- *No. 48. Cherry diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A, B. Cladosporium rot.
 - C. Brown rot.
 - D. Blue-mold rot.
 - E, F. Cracking.
 - G. Brown rot.
- *No. 49. Cabbage diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A, B, C. Alternaria leaf spot on outer green leaves.
 - D. Alternaria leaf spot and black-mold rot in storage cabbage.
- *No. 50. Cabbage diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Bacterial soft rot.
 - B. Sclerotinia rot.
- *No. 51. Cabbage diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5¢.
 - Black rot (caused by the bacterium, *B. campestris*).
- *No. 52. Cabbage and cauliflower diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Gray-mold rot of cauliflower.
 - B. Freezing injury of cabbage.
- *No. 53. Cabbage and cauliflower diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5¢.
 - A. Tip burn of cabbage.
 - B. Brown rot of cauliflower.
- *No. 54. Radish and turnip diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5¢.
 - A. Black root of radish.
 - B. Downy mildew discoloration of turnip root.
- *No. 55. Cucumber diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
 - A. Low-temperature break-down followed by various molds.
 - B. Anthracnose fruit spot.
 - C. Mosaic.
- *No. 56. Cucumber diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5¢.
 - A. Bacterial spot.
 - B. Scab or cladosporium fruit spot.

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Posters—Continued.

- *No. 57. Melon diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
Various decays following low-temperature breakdown of Honey Dew melon.
(Large black area, alternaria rot; small scattered black spots, cladosporium rot; greenish blue spots, blue-mold rot; red spots, fusarium rot.)
- *No. 58. Squash diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
Rhizopus rot.
- *No. 59. Watermelon diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
Anthracnose.
- *No. 60. Watermelon diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
Stem-end rot.
- *No. 61. Grape diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Gray-mold rot on Zinfandel.
B, C, D, E. Various stages of black rot on Concord.
- *No. 62. Grape injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Sulphur injury on upper part of a bunch of Emperor
B, C. Sulphur injury on Emperor.
- *No. 63. Strawberry diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
A. Gray mold rot, late stage.
B, C. Leather rot on Aroma. (C. Longitudinal section.)
D, E. Rhizoctonia brown rot on Missionary. (E. Cross section.)
F. Tan-brown rot on Missionary.
G. Gray-mold rot.
- *No. 64. Strawberry diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5¢.
Rhizopus rot.

SOIL CONSERVATION**Conservation Charts:**

Free distribution is restricted to schools, libraries, teachers, and agricultural workers engaged in educational activities. Free copies will not be sent to personal addresses.

GENERAL

- No. 1. Soil erosion—cause and effect. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 2. Contour farming for soil and water conservation. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 3. Strip cropping—an erosion-control practice. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 4. Terraces for erosion control. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 5. Cover crops protect soil. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 6. Gully control. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 7. Saving soil and water on pasture lands. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 8. Trees and shrubs for erosion control. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 9. Wildlife—a safe use for erodible land. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 10. Farm ponds. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5¢.
- No. 35. The tree and the soil. 16 by 21 inches. Black and white.

GREAT PLAINS REGION (SOUTHERN)

(Kansas, the Panhandle areas of Oklahoma and Texas, the extreme eastern section of New Mexico, and eastern Colorado.)

- No. 22. Wind erosion in the Great Plains. 19 by 24 inches. Black and white. 5¢.
- No. 23. Vegetative cover for wind erosion control. 19 by 24 inches. Black and white. 5¢.
- No. 24. Water conservation in the Great Plains. 19 by 24 inches. Black and white. 5¢.
- No. 25. Conserving range lands of the Great Plains. 19 by 24 inches. Black and white. 5¢.

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Conservation Charts—Continued.**OHIO VALLEY REGION**

(Indiana, Kentucky, Michigan, Ohio, and Tennessee)

- No. 18. Locust reclaims gullied area within three growing seasons. 13 by 19 inches. Black and white. 5¢.
 No. 19. Contour furrows. 16½ by 24 inches. Black and white. 5¢.
 No. 20. Winter cover saves soil. 16½ by 22 inches. Black and white. 5¢.
 No. 21. Soil erosion destroyed this community. 18 by 22 inches. Black and white. 5¢.
 No. 28. Grassland farming for soil conservation. 19 by 24 inches. Black and white. 5¢.
 No. 29. Grassland agriculture is permanent. 19 by 24 inches. Black and white. 5¢.
 No. 30. Grass and legumes improve the rotation. 19 by 24 inches. Black and white. 5¢.
 No. 31. A grass economy is vital. 19 by 24 inches. Black and white. 5¢.
 No. 32. If protected from fire and grazing, forest cover affords many benefits. 19 by 24 inches. Black and white. 5¢.

MISSISSIPPI REGION (UPPER)

(Iowa, Illinois, Missouri, Minnesota, Wisconsin)

- No. 11. Soil management program for cropland. 36 by 36 inches. Black and white. 10¢.
 No. 12. Effect of cropping plan on soil losses. 36 by 36 inches. Black and white. 10¢.
 No. 13. Story of three cornfields and the soil they lost per acre each year. 36 by 36 inches. Black and white. 10¢.
 No. 14. Improved pastures safeguard soil—produce more protein. 36 by 36 inches. Black and white. 10¢.
 No. 15. Financial insecurity follows erosion of the soil. 36 by 36 inches. Black and white. 5¢.
 No. 16. Erosion control starts with an inventory of farm resources. 36 by 36 inches. Black and white. 5¢.
 No. 17. Soil conservation calls for long-time planning. 36 by 36 inches. Black and white. 5¢.
 No. 33. Grazed woodland loses soil and water—Produces less timber—Yields little forage. 19 by 24 inches. Black and white. 5¢.
 No. 34. How badly has erosion damaged your farm. 19 by 24 inches. Black and white. 5¢.

PACIFIC SOUTHWEST REGION

(California and Nevada)

- No. 26. Hillside orchards need cover to protect soil from erosion. 19 by 24 inches. Black and white. 5¢.
 No. 27. Trees conserve soil and water. 19 by 24 inches. Black and white. 5¢.

Posters:

- Prevent fire, save the grass, protect the soil. 11 by 14 inches. Colored.
 Soil conservation is vital to you. 13½ by 19 inches. Colored.

MISCELLANEOUS

***Educational Charts on Agriculture and Home Economics.**—12 by 15 inches. 5 cents for single charts, or 100 charts at \$2.00.

- 5.564. Dryness in citrus fruits.
 5.565. Appearance and quality of citrus fruit.
 5.80. Sweetpotatoes.
 6.32a. Cigar tobacco.
 6.32b. Flue-cured tobacco.
 6.91. Buckwheat and arrowroot.
 8.10. A well-planned farm food supply.
 8.104. In days of plenty provide for the lean months.
 8.21a. Good sources of vitamins A and D.
 8.273. (1) The teeth and their structure. Photographs.
 8.273b. (2) The teeth and their structure. Diagrams.
 8.274. The development of the teeth illustrated by X-rays of the jaws of children.
 8.275. The development of the teeth illustrated by X-rays of the jaws.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

***Educational Charts on Agriculture and Home Economics—Continued.**

- 8.276. Premature loss of temporary teeth may deform the jaws.
- 8.31. Some types of weaves.
- 8.32. Some points in fitting dresses and blouses with set-in sleeves.

The following groups of charts are sold in sets only:

***Group No. 1. Livestock—cattle and hogs. 25¢ a set.**

- 1.1. Beef breeds of cattle—I.
- 1.2. Beef breeds of cattle—II.
- 1.3. Beef and dual-purpose breeds of cattle—III.
- 1.4. Breeds of hogs—I.
- 1.5. Breeds of hogs—II.
- 1.6. Hog production—I.
- 1.7. Hog production—II.

***Group No. 2. Horses. 10¢ a set.**

- 2.1. Draft breeds of horses.
- 2.2. Light breeds of horses.

***Group No. 3. Dairy. 20¢ a set.**

- 3.1. Dairy breeds of cattle—I.
- 3.2. Dairy breeds of cattle—II.
- 3.3. Clean milk production.
- 3.4. Creamery-butter production.
- 3.5. Making American cheddar cheese.
- 3.6. Some varieties of cheese.

***Group No. 4. Sheep, goats, wool, and mohair. 15¢ a set.**

- 4.1. Breeds of sheep.
- 4.2. Wool production.
- 4.3. Some grades of wool.

***Group No. 5. Poultry. 25¢ a set.**

- 5.1. Breeds of chickens—I. Chickens kept chiefly for egg production.
- 5.2. Breeds of chickens—II. Chickens kept for meat and eggs.
- 5.3. Breeds of chickens—III. Large chickens kept chiefly for meat production.
- 5.4. Varieties of turkeys.

***Group No. 6. Meat identification, beef. 15¢ a set.**

- 6.1. Side of beef.
- 6.2. Brisket, plate, flank, and foreshank pieces.
- 6.3. Chuck rib series, cross arm and neck pieces of beef.
- 6.4. Rump and rib cuts.
- 6.5. Steaks from loin of beef.
- 6.6. Round and hind shank cuts.
- 6.7. Grades of beef ribs and rounds.

***Group No. 7. Meat identification, pork and lamb. 25¢ a set.**

- 7.1. Rough and trimmed pork cuts.
- 7.2. Rough and trimmed ham and shoulder.
- 7.3. Pork loins and chops.
- 7.4. Bacon, bacon trimmings, and jowl bacon.
- 7.5. Wholesale cuts of lamb.
- 7.6. Less-known lamb cuts.
- 7.7. More popular lamb cuts.

***Group No. 8. Cotton. 25¢ a set.**

- 8.1. The cotton plant.
- 8.2. Cotton production.
- 8.3. Some insect pests of cotton.
- 8.4. Some diseases of cotton.
- 8.5. Cotton improvement.
- 8.6. Marketing cotton.
- 8.7. Where cotton is grown and distributed.

***Group No. 9. Textile-manufacture, fabric and construction. 20¢ a set.**

- 9.1. Cotton manufacturing—Chart 1.
- 9.2. Cotton manufacturing—Chart 2.
- 9.3. Cotton manufacturing—Chart 3.
- 9.4. Some types of weaves.
- 9.5. Some things to remember in judging fabrics.
- 9.6. Identification of some textile fabrics.
- 9.7. Some uses of cotton and cottonseed.

***Group No. 10. Corn. 15¢ a set.**

- 10.1. Corn and corn plants.
- 10.2. Structure of corn kernel.
- 10.3. Corn production.
- 10.4. Pests of corn.
- 10.5. Corn harvesting.

***For sale only.** (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Educational Charts on Agriculture and Home Economics—Continued.

- 10.6. Seed corn.
- 10.7. The corn crop.
- *Group No. 11. Small grain. 25¢ a set.
 - 11.1. The wheat plant.
 - 11.2. Three small grains. (Barley, oats, rye.)
 - 11.3. Production of small grain.
 - 11.4. Harvesting small grain.
 - 11.5. Pests of small grain.
 - 11.6. Grain marketing.
 - 11.7. Rice.
- *Group No. 12. Poultry marketing. 15¢ a set.
 - 12.1. Tentative United States standards for fowl.
 - 12.2. Classes of dressed birds.
 - 12.3. Inspecting, packaging, and processing chicken.
 - 12.4. Methods of preparing chicken for sale or use.
 - 12.5. Picking a bird.
- *Group No. 13. Insects. 20¢ a set.
 - 13.1. Insect pests of fruit.
 - 13.2. Insect pests of poultry.
 - 13.3. Insect pests of trees and shrubs.
 - 13.4. Insects affecting flowers.
 - 13.5. Beneficial insects.
 - 13.6. Insects affecting man and health.
- *Group No. 14. Miscellaneous fiber plants. 10¢ a set.
 - 14.1. Fiber flax.
 - 14.2. Fiber plants—I.
 - 14.3. Fiber plants—II.
- *Group No. 15. The home garden. 20¢ a set.
 - 15.1. Planning the home garden.
 - 15.2. Planting the garden.
 - 15.3. Garden insect pests.
 - 15.4. Diseases of vegetables.
 - 15.5. Care and harvesting of the garden.
 - 15.6. Storage of fruits and vegetables for the home.
- *Group No. 18. Forestry and forest products. 10¢ a set.
 - 18.1. Furniture woods. (Natural size.)
 - 18.2. Veneer and its use in furniture construction.
 - 18.3. How lumber may be cut.

DEPARTMENT ORGANIZATION**GENERAL****Miscellaneous Publications:**

- 3 MP. Editorial policy regarding the Journal of Agricultural Research. 5¢
- 88 MP. The United States Department of Agriculture: Its structure and functions. 25¢.
- 171 MP. The crop and livestock reporting service of the United States. 15¢.
- 220 MP. Directory of the Bureau of Entomology and Plant Quarantine, 1937. 15¢.
- 238 MP. Directory of activities of the Bureau of Plant Industry. 10¢.
- *251 MP. A history of agricultural experimentation and research in the United States, 1607-1925. 25¢.
- 290 MP. The work of the United States Forest Service. 10¢.
- 306 MP. The Forest Products Laboratory. 15¢.
- 312 MP. Bibliography on soil erosion and soil and water conservation. 60¢.
- 328 MP. The service of Federal grain standards. 5¢.
- *420 MP. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1940-41. 20¢.
- 431 MP. Directory of organization and field activities of the Department of Agriculture: 1941. 25¢.
- 438 MP. Employment information. 15¢.
- 445 MP. The work of the United States Cotton Ginning Laboratory. 10¢.

Yearbook Separates:

- 1731 Y. Agriculture in the World War period. (1940.) 5¢.
- *1779 Y. Old and new in agricultural organization. (1940.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Unnumbered:

- *Directory of the Bureau of Animal Industry, 1941. 10¢.
- *The response of government to agriculture. 15¢.
- The work of the Soil Conservation Service. 5¢.

▲▲ ANNUAL REPORTS

(The 1941 annual report for each Bureau or Office reflects the part the United States Department of Agriculture is playing in the War.)

Agricultural Experiment Stations:

- *1902, \$1.00; *1903, 70¢; *1904, 75¢; *1907, 60¢; *1908, 60¢; *1909, 55¢; *1911, 45¢; *1912, 45¢; *1913, 25¢; *1914, 20¢; *1915, cloth, \$1.00, paper 50¢; *1916, part I, 25¢, part II, 35¢; *1917, part I, 25¢; *1918, part I, 10¢; *1919, 10¢; *1920, part I, 10¢, part II, 10¢; *1921, part I, 15¢; *1932, 5¢; *1933, 10¢; *1934, 10¢; *1936, 20¢; 1937, 25¢; 1938, 25¢; 1939 25¢; 1940, 25¢.

Animal Industry:

- *1886, 50¢; *1887-88, 65¢; *1889-90, 40¢; *1893-94, 20¢; *1895-96, 50¢; *1897, 65¢; *1902, 65¢.

†Puerto Rico Agricultural Experiment Station:

- *1936, 20¢; *1937, 15¢; *1938, 20¢; 1939, 20¢.

Reports of the Secretary of Agriculture:

- 1936, 15¢; 1937, 15¢; *1939, 20¢; *1940, 15¢; 1941, 25¢.

ANNUAL REPORTS OF THE CHIEFS OF—**Agricultural Adjustment Administration:**

(See under Bureau List: Agricultural Conservation and Adjustment Administration—Agricultural Adjustment Agency.)

Agricultural Marketing Service:

- *1939, 10¢; *1940, 10¢; *1941, 10¢.

Bureau of Agricultural Chemistry and Engineering:

- *1939, 15¢; 1940, 10¢; *1941, 15¢.

Bureau of Agricultural Economics:

- *1933, 5¢; *1936, 5¢; *1938, 10¢; 1939, 10¢; *1940, 15¢; *1941, 20¢.

Bureau of Agricultural Engineering:

- 1936, 5¢; 1937, 5¢; 1938, 5¢.

Bureau of Animal Industry:

- 1939, 10¢; 1940, 10¢; 1941, 10¢.

Bureau of Chemistry and Soils:

- *1933, 5¢; *1934, 5¢; *1935, 5¢; *1936, 10¢; *1937, 10¢; *1938, 10¢.

Bureau of Dairy Industry:

- *1939, 10¢; *1940, 10¢; *1941, 10¢.

Bureau of Entomology:

- *1933, 5¢.

Bureau of Entomology and Plant Quarantine:

- *1935, 10¢; 1936, 15¢; 1937, 15¢; *1938, 10¢; 1939, 15¢; *1940, 15¢; 1941, 15¢.

Bureau of Home Economics:

- *1939, 5¢; *1940, 5¢; 1941, 5¢.

Bureau of Plant Industry:

- *1917, 5¢; *1918, 5¢; *1919, 5¢; *1920, 10¢; *1921, 5¢; *1922, 5¢; *1923, 5¢; *1924, 5¢; *1925, 5¢; *1926, 5¢; *1927, 5¢; *1928, 5¢; *1929, 5¢; *1930, 5¢; *1931, 5¢; *1932, 5¢; *1933, 5¢; *1934, 5¢; 1936, 5¢; 1937, 10¢; 1938, 10¢; *1939, 10¢; *1940, 10¢; *1941, 10¢.

†Copies of the 1937-1939 reports are available in Spanish from the Puerto Rico Agr. Expt. Sta., Mayaguez, P. R.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Bureau of Plant Quarantine:

*1933, 10¢; *1934, 10¢.

Bureau of Soils:

*1917, 5¢; *1922, 5¢; *1923, 5¢; *1924, 5¢; *1926, 5¢; *1927, 5¢.

Commodity Credit Corporation:

*1940, 10¢; 1941, 10¢.

Commodity Exchange Administration:

1938, 5¢; 1939, 10¢; 1940, 10¢; *1941, 15¢.

Consumers' Counsel Division:

*1940, 5¢.

Division of Marketing and Marketing Agreements:

*1939, 5¢.

Extension Service:

1933, 10¢. Serving American agriculture. A report of extension work in agriculture and home economics in 1933.
 1936, 15¢. Meeting the challenge of agriculture. A report of extension work in agriculture and home economics in 1936.
 1937, 10¢. Serving farm people on many fronts. Annual report of the Extension Service, 1937.
 1938, 10¢. For better rural living. A report of cooperative extension work in agriculture and home economics in 1938.
 1939, 10¢. Leaders on the land. A report of cooperative extension work in agriculture and home economics in 1939.
 1940-41, 10¢. Security at the grass roots. A report of cooperative extension work in agriculture and home economics, 1940-41.

Farm Credit Administration:

(See under Bureau List: Farm Credit Administration.)

Farm Security Administration:

*1940, 5¢; *1941, 10¢.

Federal Crop Insurance Corporation:

1939, 10¢; 1940, 10¢; 1941, 10¢.

Federal Surplus Commodities Corporation:

*1939, 5¢; *1940, 5¢.

Forest Service:

*1928, 10¢; *1931, 10¢; *1936, 10¢; *1937, 10¢; *1938, 10¢; *1939, 10¢.
 1941, 10¢. Forests and people: Report of the Chief of Forest Service.

Grain Futures Administration:

1936, 5¢.

Library:

*1939, 5¢; *1940, 5¢; *1941, 5¢.

Office of Budget and Finance:

1939, 5¢; 1940, 5¢; *1941, 10¢.

Office of Information:

*1939, 5¢; *1940, 5¢; *1941, 5¢.

Office of Personnel:

1937, 5¢; *1938, 5¢; 1939, 5¢; *1940, 10¢; 1941, 10¢.

Office of Experiment Stations:

*1927, 5¢; *1929, 5¢; *1930, 5¢; *1931, 5¢; *1932, 5¢; *1934, 5¢; *1935, 5¢;
 *1936, 5¢; *1938, 5¢; *1939, 5¢; 1940, 5¢; 1941, 10¢.

Office of Foreign Agricultural Relations:

1940, 5¢; 1941, 5¢.

Office of Plant and Operations:

*1939, 5¢; *1940, 5¢; *1941, 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Plant Quarantine and Control Administration:

*1930, 10¢; *1931, 15¢; *1932, 5¢.

Rural Electrification Administration:

*1939, 60¢; *1940, 30¢; *1941, 10¢.

Soil Conservation Service:

*1936, 10¢; *1937, 10¢; *1939, 15¢; *1940, 10¢; *1941, 15¢.

Solicitor's Office:

1936; 1937, 10¢; 1938, 5¢; 1939, 5¢; *1940, 10¢; *1941, 10¢.

Sugar Division:

1939, 5¢.

Surplus Marketing Administration:

*1940, 15¢; *1941, 10¢.

YEARBOOKS(For a description of the Yearbooks, *see* page 8)

*1894 YB	-----	\$0.50	*1915 YB	-----	\$0.75
*1895 YB	-----	.55	*1916 YB	-----	1.00
*1896 YB	-----	.50	*1917 YB	-----	1.00
*1897 YB	-----	.60	*1918 YB	-----	.85
*1898 YB	-----	.60	*1919 YB	-----	1.00
*1899 YB	-----	.75	*1920 YB	-----	1.25
*1900 YB	-----	.75	*1921 YB	-----	1.25
*1901 YB	-----	.80	*1922 YB	-----	1.25
*1902 YB	-----	.85	*1923 YB	-----	1.25
*1903 YB	-----	.75	*1924 YB	-----	1.50
*1904 YB	-----	.65	*1925 YB	-----	1.50
*1905 YB	-----	1.00	*1926 YB	-----	1.50
*1906 YB	-----	1.00	*1927 YB	-----	1.50
*1907 YB	-----	1.00	*1928 YB	-----	1.50
*1908 YB	-----	1.25	*1930 YB	-----	1.50
*1909 YB	-----	1.00	*1931 YB	-----	1.50
*1910 YB	-----	1.00	*1932 YB	-----	1.00
*1912 YB	-----	1.00	*1933 YB	-----	1.00
*1913 YB	-----	.75	*1934 YB	-----	1.00
*1914 YB	-----	.75	*1935 YB	-----	1.00
*1936 YB.	Better plants and animals—I.	\$1.25.			
*1937 YB.	Better plants and animals—II.	\$2.00.			
*1938 YB.	Soils and men.	\$1.75.			
*1939 YB.	Food and life.	\$1.50.			
*1940 YB.	Farmers in a changing world.	\$1.50.			
*1941 YB.	Climate and man.	\$1.75.			

BIBLIOGRAPHIES, INDEXES, AND LISTS OF PUBLICATIONS

(See also Bureau List: Farm Credit Administration)

Circulars:

- 216 C. Production of organic acids from carbohydrates by fermentation: A digest of the literature. 10¢.
- 559 C. Review and discussion of literature pertinent to crop rotations for erodible soils. 10¢.

Department Bulletins:

- *1210 D. Summary of literature on bunt, or stinking smut, of wheat. 10¢.

Miscellaneous Circulars:

- *35 MC. Bibliography on the marketing of agricultural products. 10¢.

Miscellaneous Publications:

- 9 MP. List of publications of the United States Department of Agriculture from January 1901 to December 1925, inclusive, compiled by comparison with the originals.
- 60 MP. List of available publications of the United States Department of Agriculture, January 2, 1942.
- *62 MP. Bibliography on the relation of clothing to health. 25¢.
- 110 MP. Glossary of botanical terms commonly used in range research. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Miscellaneous Publications—Continued.

- 125 MP. Bibliography relating to farm structures.
- *150 MP. Bibliography on the marketing of agricultural products. 20¢.
- 153 MP. List of publications of the United States Department of Agriculture from January 1926, to December 1930, inclusive.
- *172 MP. Bibliography on land settlement with particular reference to small holdings and subsistence homesteads. 50¢.
- *181 MP. List of bulletins of the agricultural experiment stations for the calendar years 1931 and 1932. 10¢.
- 198 MP. An annotated bibliography of the hessian fly, *Phytophaga destructor* (Say). 10¢.
- *203 MP. Cotton and cottonseed: A list of the publications of the United States Department of Agriculture on these subjects, including early reports of the United States Patent Office. 15¢.
- *232 MP. List of bulletins of the agricultural experiment stations for the calendar years, 1933 and 1934. 10¢.
- 279 MP. Bibliography on highway lighting. 5¢.
- 281 MP. A selected bibliography on management of western ranges, livestock, and wildlife. 45¢.
- *284 MP. Bibliography on land utilization, 1918-36. \$1.50.
- *294 MP. List of bulletins of the agricultural experiment stations for the calendar years 1935 and 1936. 15¢.
- 312 MP. Bibliography on soil erosion and soil and water conservation. 60¢.
- *362 MP. List of bulletins of the agricultural experiment stations for the calendar years 1937 and 1938. 15¢.
- *364 MP. A selected bibliography of North American forestry. Two volumes at 75¢ each or \$1.50 a set.
- 372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance. 10¢.
- *398 MP. List of the agricultural periodicals of the United States and Canada published during the century July 1810 to July 1910. 20¢.
- 443 MP. List of publications of the United States Department of Agriculture from January 1936 to December 1940, inclusive, compiled by comparison with the originals.
- 446 MP. Publications and visual information on soil conservation. 10¢.
- 447 MP. A bibliography on the agriculture of the American Indians. 15¢.
- *450 MP. Numerical list of current publications of the United States Department of Agriculture, compiled by comparison with the originals. \$1.75.
- 458 MP. Film strips of the U. S. Department of Agriculture. 10¢.
- *459 MP. List of bulletins of the agricultural experiment stations for the calendar years 1939 and 1940. 15¢.

Yearbook Separates:

- 1666 Y. A glossary of special terms used in the soils yearbook. (1938.) 5¢.
- 1667 Y. Literature cited for yearbook of agriculture, 1938. 10¢.
- 1726 Y. Literature cited for yearbook of agriculture, 1939. 10¢.

Unnumbered:

- *Index to Department Bulletins Nos. 1-1500. 25¢.
- *Index to Farmers' Bulletins Nos. 1001-1500. 50¢.
- *Index to Farmers' Bulletins Nos. 1501-1750. 15¢.
- *Index to publications of the United States Department of Agriculture. 1901-1925. \$3.25.
- *Index to publications of the United States Department of Agriculture. 1926-1930. \$1.50.
- *Index to publications of the United States Department of Agriculture. 1931-1935. \$1.25.
- *Index to Technical Bulletins 1-500. 20¢.
- *Index to Technical Bulletins Nos. 501-750. 20¢.
- *Index-catalogue of medical and veterinary zoology. Part 1. Authors: AALL to AZZOLINA. 10¢.
- *Index-catalogue of medical and veterinary zoology. Part 2. Authors: B to BYCHKOV. 55¢.
- *Index-catalogue of medical and veterinary zoology. Part 3. Authors: C to CZYGAN. 40¢.
- *Index-catalogue of medical and veterinary zoology. Part 4. Authors: D to DZUNKOVSKI. 30¢.
- *Index-catalogue of medical and veterinary zoology. Part 5. Authors: E to FYNNEY. 45¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Unnumbered—Continued.

Land use and soil conservation: Informational material available to the public from the United States Department of Agriculture, Soil Conservation Service.

List of available Farmers' Bulletins and Leaflets of the United States Department of Agriculture. List No. 2. 1941.

LAWS—RULES—REGULATIONS

(See also Bureau List: Agricultural Marketing Administration and Agricultural Research Administration)

County Planning Series:

- 11 CPS. Farm tenancy law. 5¢.
- 15 CPS. Western water law. 5¢.

Miscellaneous Circulars:

- 14 MC. State sanitary requirements governing admission of livestock. 15¢.
- *51 MC. The farmer and the United States Warehouse Act. 5¢.

Miscellaneous Publications:

- 80 MP. Summary of State and Territorial plant quarantines affecting interstate shipment. 15¢.
- 135 MP. The principal laws relating to the establishment and administration of the national forests and to other Forest Service activities. 10¢.
- *189 MP. Synopsis of Federal plant quarantines affecting interstate shipments in effect January 1, 1934. 10¢.
- 285 MP. Federal legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. 5¢.
- *348 MP. Federal legislation, rulings, and regulations affecting the State agricultural experiment stations. 10¢.

Unnumbered:

- *Decisions of courts in cases under the Federal Food and Drugs Act. \$2.25.
- *A standard state soil conservation district law. 10¢.
- Rules and regulations of the Secretary of Agriculture under the Commodity Exchange Act. 10¢.
- *State legislation for better land use. 30¢.

EXTENSION WORK

(See also Periodical Publications and Mailing Lists: Extension Service Review; and Charts—Maps—Posters)

Circulars:

- *17 C. A ten-year review of home management extension, 1914-24. 10¢.
- *43 C. Home demonstration work under the Smith-Lever Act, 1914-24. 10¢.
- *58 C. Planning and conducting extension campaigns. 10¢.
- *468 C. An extension program for range management and range livestock as adopted at a regional extension conference held at Spokane, Wash., May 24-27, 1937. 5¢.

Department Bulletins:

- *1384 D. The effectiveness of extension in reaching rural people. 5¢.

Department Circulars:

- 107 DC. A system of field and office records for county extension workers. 10¢.
- *179 DC. Status and results of county agent work, Northern and Western States, 1920. 5¢.
- *190 DC. Extension work among Negroes, 1920. 5¢.
- *244 DC. Status and results of county agent work: Northern and Western States, 1921. 10¢.
- *285 DC. Status and results of home demonstration work: Northern and Western States, 1921. 5¢.
- *308 DC. An extension program in range livestock, dairying, and human nutrition for the Western States. 5¢.
- *314 DC. Home demonstration work, 1922. 10¢.
- *348 DC. Boys' and girls' 4-H club work, 1923. 10¢.
- *355 DC. Extension work among Negroes, conducted by Negro agents, 1923. 5¢.
- *375 DC. An extension program in home management and farm management for the Western States, with reports of standing regional committees on range livestock, dairying, farm crops, and human nutrition. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Miscellaneous Circulars:

- *59 MC. County agricultural agent work under the Smith-Lever Act, 1914-24. 10¢.
- *72 MC. A decade of Negro extension work, 1914-24. 10¢.
- 77 MC. Boys' and girls' 4-H Club work. 5¢.

Miscellaneous Publications:

- *8 MP. A review of five years of fact organization and State and regional program making in the Western States, and a report of the 1927 Extension Conference. 5¢.
- *15 MP. A history of agricultural extension work in the United States. 1785-1923. 75¢.
- *36 MP. A history of agricultural education in the United States. 1785-1925. \$1.00.
- 146 MP. Milk-quality improvement program for 4-H dairy clubs. 5¢.
- 148 MP. A milk-quality improvement program for extension workers. 5¢.
- 178 MP. Home demonstration work. 5¢.
- 285 MP. Federal legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. 5¢.
- 291 MP. Teaching conservation of wildlife through 4-H Clubs. 10¢.
- 318 MP. 4-H Club insect manual. 15¢.
- 320 MP. Organization of 4-H Club work: A guide for local leaders. 10¢.
- 346 MP. Short-time camps: A manual for 4-H leaders. 15¢.
- 395 MP. Forestry for 4-H Clubs. 10¢.
- *403 MP. Effective extension circular letters. 10¢.
- 458 MP. Film strips of the U. S. Department of Agriculture.

Technical Bulletins:

- 125 T. Relative costs of extension methods which influence change in farm and home practices. 10¢.

Unnumbered:

- For better rural living. A report of cooperative extension work in agriculture and home economics in 1938. 10¢.
- Leaders on the land. A report of cooperative extension work in agriculture and home economics in 1939. 10¢.
- Meeting the challenge of agriculture. A report of extension work in agriculture and home economics in 1936. 15¢.
- Security at the grass roots. A report of cooperative extension work in agriculture and home economics, 1940-41. 10¢.
- Serving American agriculture. A report of extension work in agriculture and home economics in 1933. 10¢.
- Serving farm people on many fronts. Annual report of the Extension Service, 1937. 10¢.

FIELD STATION WORK**Circulars:**

- 184 C. Methods of crop production at the Colby (Kans.) branch experiment station, 1915 to 1929. 5¢.
- *202 C. Agronomic work of the Big Spring, Texas, Field Station, 1915-1929. 5¢.
- *213 C. Summer fallow at Ardmore, S. Dak. 5¢.
- *421 C. Results of field crop, shelterbelt, and orchard investigations at the United States Dry Land Field Station, Ardmore, S. Dak., 1911-32. 10¢.
- 444 C. Yield and quality of sugar beets from various rotations at the Scotts Bluff (Nebr.) Field Station, 1930-35.
- 564 C. Dry land crops at the Dalhart (Texas) Field Station. 15¢.

Department Bulletins:

- *135 D. Experiments in the production of crops on alkali land on the Huntley reclamation project, Montana. 5¢.
- *1155 D. Rice experiments at the Biggs Rice Field Station in California. 10¢.
- *1293 D. Tillage and rotation experiments at Dickinson, Hettinger, and Williston, N. Dak. 5¢.
- *1418 D. Fertilizer experiments with alfalfa conducted at the United States Yuma Field Station, Bard, Calif., 1919 to 1925. 5¢.

Miscellaneous Publications:

- *130 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md., 1930 report. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Miscellaneous Publications—Continued.

- 179 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md., 1932 report. 5¢.
- *251 MP. A history of agricultural experimentation and research in the United States, 1920-25. 25¢.
- *459 MP. List of bulletins of the agricultural experiment stations for the calendar years 1939 and 1940. 15¢.

Technical Bulletins:

- *39 T. Inheritance of awniness, yield, and quality in crosses between Bobs, Hard Federation, and Propo wheats at Davis, Calif. 10¢.
- *51 T. Broomcorn experiments at the United States Dry-Land Field Station, Woodward, Okla. 10¢.
- 316 T. Physical and chemical characteristics of the soils from the erosion experiment stations. 5¢.
- *321 T. Reproduction and health records of the Beltsville herd of the Bureau of Dairy Industry. 5¢.
- *330 T. Rotation and tillage experiments at the Lawton (Okla.) Field Station, 1917-30. 5¢.
- *353 T. Agricultural investigations at the Huntley (Mont.) Field Station, 1927-30. 10¢.
- *369 T. Pima Egyptian cotton in irrigated rotations at the Yuma Field Station, Bard, Calif. 5¢.
- *419 T. Forage-crop field experiments at West Point, Miss. 5¢.
- 430 T. The physical and chemical characteristics of the soils from the erosion experiment stations—second report. 10¢.
- *454 T. Agricultural investigations at the Belle Fourche (S. Dak.) Field Station, 1926-32. 5¢.
- *464 T. Agricultural investigations on the Newlands (Nev.) reclamation project. 5¢.
- *509 T. Positions of seeds and notes in locks and lengths of cotton fibers from bolls borne at different positions on plants at Greenville, Tex. 5¢.
- 533 T. Subsoil waters of Newlands (Nev.) Field Station. 5¢.
- 536 T. Crop rotation and tillage experiments at the Northern Great Plains Field Station, Mandan, N. Dak. 10¢.
- 538 T. Effect of method and rate of grazing on beef production and plant population of pastures at Beltsville, Md. 10¢.
- 558 T. Soil and water conservation investigations at the Soil Conservation Experiment Station, Missouri Valley Loess Region, Clarinda, Iowa. Progress report, 1931-35. 20¢.
- 562 T. Some moisture relations of the soils from the erosion experiment stations. 10¢.
- *571 T. Irrigated crop rotations at the Huntley (Mont.) Field Station, 1912-35. 10¢.
- 701 T. Alfalfa experiments at Stoneville, Miss., 1935-37. 5¢.
- 716 T. Investigations on the physical and chemical properties of beeswax. 5¢.
- 718 T. Fertilizer experiments with rice in California. 5¢.
- 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast. 10¢.

▲▲ FIRE PREVENTION

(See also Bureau List: Forest Service; Periodical Publications and Mailing Lists: Fire Control Notes).

Farmers' Bulletins:

- 1512 F. Protection of buildings and farm property from lightning. 5¢.
- 1590 F. ▲Fire-protective construction on the farm. 5¢.
- 1643 F. ▲Fire safeguards for the farm. 5¢.
- *1667 F. ▲Rural community fire departments. 5¢.
- 1678 F. ▲Safe use and storage of gasoline and kerosene on the farm. 5¢.
- 1786 F. ▲Fireproofing fabrics. 5¢.

Leaflets:

- *40 L. Woods burning in the South. 5¢.
- 44 L. ▲Fires on farms. 5¢.
- 193 L. Fireproofing Christmas trees. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Circulars:

- 76 C. Fires in cotton gins and how to prevent them. 5¢.
- 385 C. Dust explosions during fire fighting. 5¢.
- 398 C. Measuring fire weather and forest inflammability. 10¢.
- 449 C. Planning, constructing, and operating forest-fire lookout systems in California. 10¢.
- 466 C. A weather-resistant fireproofing treatment for cotton fabrics. 5¢
- 591 C. Influence of altitude and aspect on daily variations in factors of forest-fire danger. 10¢.

Department Bulletins:

- *801 D. Construction and fire protection of cotton warehouses. 50¢.
- *1373 D. Dust control in grain elevators. 10¢.

Department Circulars:

- *243 DC. Forest fires in California, 1911-20: An analytical study. 15¢.

Technical Bulletins:

- *141 T. The spontaneous combustion of hay. 10¢.
- 490 T. Explosibility of agricultural and other dusts as indicated by maximum pressure and rates of pressure rise. 5¢.
- 551 T. Forest fire insurance in the Pacific Coast States. 20¢.
- 574 T. Principles of forest-fire detection on the national forests of northern California. 5¢.
- 651 T. Forest fire insurance in the Northeastern States. 10¢.

Posters:

- Prevent fire, save the grass, protect the soil. 11 by 14 inches. Colored.

Unnumbered:

- *The fire control equipment handbook. \$1.00, unbound.

▲ ▲ FORESTRY

(See also Bureau List: Forest Service; Charts—Maps—Posters; Fire Prevention; Nuts and Nut Trees; Ornamental Plants and Trees)

GENERAL CARE AND MANAGEMENT

Farmers' Bulletins:

- 1117 F. Forestry and farm income. 5¢.
- 1123 F. Growing and planting hardwood seedlings on the farm. 5¢.
- 1177 F. ▲ Care and improvement of the farm woods. 10¢.
- 1256 F. Slash pine. 10¢.
- 1392 F. Black walnut for timber and nuts. 5¢.
- 1405 F. The windbreak as a farm asset. 5¢.
- 1453 F. Growing and planting coniferous trees on the farm. 5¢
- 1486 F. Long-leaf pine primer. 5¢.
- 1492 F. Arbor Day: Its purpose and observance. 10¢.
- 1517 F. Loblolly pine primer. 5¢.
- 1526 F. ▲ Clearing land of brush and stumps. 5¢.
- 1628 F. Growing black locust trees. 5¢.
- *1664 F. Christmas trees as a cash crop for the farm. 5¢.
- 1671 F. Shortleaf pine. 10¢.
- *1680 F. Farmers in Northern States grow timber as money crop 5¢.
- 1693 F. Growing Christmas holly on the farm. 5¢.
- 1726 F. Treatment and care of tree wounds. 5¢.
- 1794 F. ▲ Forest farming. 5¢.

Leaflets:

- 29 L. The farm woods: A savings bank paying interest. 5¢.
- *30 L. ▲ Cutting the farmwoods "profitwise." 5¢.
- *55 L. Small trees wasteful to cut for saw timber. 5¢.
- 57 L. ▲ Pulp-wood crops in the Northeast. 5¢.
- 86 L. Protect hardwood stands from grazing. 5¢.
- 153 L. How to cut southern farm timber for steady profit. 5¢.
- 155 L. Growing nursery stock of southern pines. 5¢.
- 159 L. Planting southern pines. 5¢.
- 168 L. Dual purpose pines. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Circulars:

- 333 C. Sample plots in silvicultural research. 10¢.
- *344 C. Causes of decadence in the old groves of North Dakota. 5¢.
- *357 C. Slash disposal in ponderosa pine forests of the Southwest. 5¢.
- 358 C. The forest-tax problem and its solution summarized. 5¢.
- 379 C. Shipmast locust: A valuable undescribed variety of *Robinia pseudoacacia*. 5¢.
- 398 C. Measuring fire weather and forest inflammability. 10¢.
- *431 C. Increasing growth and yield of young spruce pulpwood stands by girdling hardwoods. 5¢.
- *434 C. Commercial planting on redwood cut-over lands. 10¢.
- *453 C. Sulphuric acid treatment to increase germination of black locust seed. 10¢.
- 471 C. Forests and employment in Germany. 10¢.
- *486 C. Factors affecting establishment of Douglas fir seedlings. 10¢.
- 557 C. Cost of producing white pine lumber in New England. 10¢.
- 586 C. Slash disposal and forest management after clear cutting in the Douglas-fir region. 10¢.

Department Bulletins:

- *234 D. Utilization and management of lodgepole pine in the Rocky Mountains. 15¢.
- *544 D. The red spruce: Its growth and management. 20¢.
- *1176 D. Some results of cutting in the Sierra forests of California. 10¢.
- *1291 D. Aspen in the central Rocky Mountain region. 15¢.
- *1493 D. Timber growing and logging practice in the Douglas fir region: Measures necessary to keep forest land productive and to produce full timber crops. 15¢.
- *1494 D. Timber growing and logging practice in the western white pine and larch-fir forests of the northern Rocky Mountains. 15¢.

Miscellaneous Circulars:

- *31 MC. Let's know some trees: Brief descriptions of the principal California trees. 5¢.
- *71 MC. National forest resources of Utah. 10¢.
- *82 MC. National forests of Wyoming. 10¢.

Miscellaneous Publications:

- *99 MP. Government forest work in Utah. 10¢.
- 135 MP. The principal laws relating to the establishment and administration of the National forests and to other Forest Service activities. 10¢.
- 162 MP. Our forests: What they are and what they mean to us. 10¢.
- 209 MP. A naval stores handbook dealing with the production of pine gum or oleoresin. 30¢.
- 217 MP. Forest trees and forest regions of the United States. 15¢.
- *218 MP. Forest taxation in the United States. 75¢.
- 225 MP. Converting factors and tables of equivalents used in forestry. 15¢.
- 247 MP. Forestry and permanent prosperity. 5¢.
- 290 MP. The work of the U. S. Forest Service. 10¢.
- *295 MP. Famous trees. 20¢.
- *307 MP. Knots in second-growth pine and the desirability of pruning. 10¢.
- 309 MP. Forest resources of the North Louisiana Delta. 20¢.
- *326 MP. Forest resources of southeastern Texas. 20¢.
- 347 MP. Lumber requirements for nonfarm residential construction. 15¢.
- 357 MP. Southern pines pay: A story in pictures. 5¢.
- *364 MP. A selected bibliography of North American forestry. Two volumes at 75¢ each, or \$1.50 a set.
- 373 MP. State forests for public use. 10¢.
- 381 MP. Forestry on private timberlands. 10¢.
- 388 MP. Living and forest lands. 10¢.
- 389 MP. Forest resources of the Douglas-fir region. 50¢.
- 390 MP. Forest resources of south Georgia. 20¢.
- 395 MP. Forestry for 4-H Clubs. 10¢.
- 429 MP. Forest resources of the Upper Peninsula of Michigan. 20¢.
- 434 MP. Nursery practice for trees and shrubs suitable for planting on the Prairie-Plains. 25¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Technical Bulletins:

- *104 T. Deterioration of wind-thrown timber on the Olympic Peninsula, Wash. 10¢.
- *168 T. The application of silviculture in controlling the specific gravity of wood. 15¢.
- *256 T. Suitability of brush lands in the intermountain region for the growth of natural or planted western yellow pine forests. 25¢.
- *259 T. Slash disposal in the western yellow pine forests of Oregon and Washington. 20¢.
- 323 T. Second-growth yield, stand, and volume tables for the western white pine type. 10¢.
- *354 T. Preliminary yield tables for second-growth stands in the California pine region. 5¢.
- 407 T. Growth in selectively cut ponderosa pine forests of the Pacific Northwest. 10¢.
- 412 T. Yield of second-growth western hemlock-Sitka spruce stands in southeastern Alaska. 5¢.
- *480 T. Timber growing and logging practice in the Southwest and in the Black Hills region. 10¢.
- 492 T. Artificial reforestation in the southern pine region. 15¢.
- *494 T. Decay following fire in young Mississippi Delta hardwoods. 5¢.
- *537 T. Growth of Douglas fir trees of known seed source. 10¢.
- 544 T. Yield of even-aged stands of Sitka spruce and western hemlock. 15¢.
- 551 T. Forest fire insurance in the Pacific Coast States. 20¢.
- 560 T. Yield, stand, and volume tables for even-aged upland oak forests. 10¢.
- *630 T. Yield of even-aged stands of ponderosa pine. 15¢.
- *683 T. Effects of fire and cattle grazing on longleaf pine lands as studied at McNeill, Mississippi. 10¢.
- 700 T. Costs of tractor logging in southern pine. 15¢.
- 742 T. Methods of distinguishing between the shipmast and common forms of black locust on Long Island, N. Y. 10¢.
- 763 T. Restoring conifers to aspen lands in the Lake States. 10¢.
- 767 T. Natural regeneration in the western white pine type. 20¢.
- 796 T. Methods of forecasting timber growth in irregular stands. 15¢.

Yearbook Separates:

- *835 Y. Wood for the Nation. (1920.) 5¢.
- *847 Y. How the public-forests are handled. (1920.) 5¢.
- *886 Y. Timber: Mine or crop? (1922.) 15¢.
- *1650 Y. Management of forest soils. (1938.) 5¢.
- 1741 Y. Forest-resource conservation. (1940.) 10¢.
- 1744 Y. The place of forests in the farm economy. (1940.) 5¢.
- 1812 Y. Climate and the Nation's forests. (1941.) 5¢.

Unnumbered:

- Community forests. 10¢.
- Eastern and southern national forests. 10¢.
- *Forest trees of the Pacific Slope. \$1.00.
- Forests and people: Report of the Chief of Forest Service. 1941. 10¢.
- Taming our forests. 15¢.
- The use book: A manual of information about the national forests. (Grazing Section.)

Diseases: Forest**Farmers' Bulletins:**

- 1398 F. Currants and gooseberries: Their culture and relation to white-pine blister rust. 5¢.

Leaflets:

- 175 L. Eradication of the cultivated black currant in white pine regions. 5¢.

Circulars:

- *217 C. *Cronartium comptoniae*: The sweetfern blister rust of pitch pines. 5¢.
- 353 C. The Dutch elm disease eradication project: Federal, State, and local cooperation. 5¢.

Department Bulletins:

- *510 D. Timber storage conditions in the Eastern and Southern States with reference to decay problems. 25¢.
- *1112 D. The western yellow-pine mistletoe: Effect on growth and suggestions for control. 15¢.
- *1262 D. Effect of kiln drying, steaming, and air seasoning on certain fungi in wood. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Miscellaneous Publications:

- 22 MP. Protect white pine from blister rust. 5¢.
 27 MP. Black currant spreads white pine blister rust. 5¢.

Technical Bulletins:

- *104 T. Deterioration of wind-thrown timber on the Olympic Peninsula, Wash. 10¢.
 *240 T. The chemical eradication of *Ribes*. 10¢.
 261 T. Longevity and germination of seeds of *Ribes*, particularly *R. rotundifolium*, under laboratory and natural conditions. 15¢.
 *494 T. Decay following fire in young Mississippi Delta hardwoods. 5¢.
 527 T. Progressive effect of *Polyporus versicolor* on the physical and chemical properties of red gum sapwood. 10¢.
 570 T. Decay in merchantable oak, yellow poplar, and basswood in the Appalachian region. 5¢.
 684 T. Butt rot in unburned sprout oak stands. 15¢.
 *692 T. Chemical and mechanical methods of *Ribes* eradication in the white pine areas of the Western States. 15¢.
 733 T. Decay and other volume losses in wind-thrown timber on the Olympic Peninsula, Washington. 5¢.
 779 T. The effect of certain heart rot fungi on the specific gravity and strength of Sitka spruce and Douglas-fir. 5¢.

Insects and Other Pests: Forest**Farmers' Bulletins:**

- 1259 F. A sawfly injurious to young pines. 5¢.
 1477 F. Preventing damage by *Lyctus* powder-post beetles. 5¢.
 1582 F. Protection of log cabins, rustic work, and unseasoned wood from injurious insects. 5¢.
 1586 F. The southern pine beetle: A serious enemy of pines in the South. 5¢.
 1824 F. The Black Hills beetle, a serious enemy of Rocky Mountain pines. 5¢.

Leaflets:

- 161 L. The eastern tent caterpillar. 5¢.
 183 L. Cankerworms. 5¢.

Circulars:

- *176 C. Observations on the satin moth and its natural enemies in Central Europe. 5¢.
 *189 C. Control of the satin moth by spraying in alternate years. 5¢.
 *204 C. An air-pressure extension brush for applying creosote to gypsy moth egg clusters. 5¢.
 *221 C. The white-pine weevil. 5¢.
 *226 C. Control of the turpentine borer in the naval stores region. 5¢.
 *277 C. The oriental moth (*Cnidocampa flavescens* Walk.) and its control. 5¢.
 *419 C. The fir engraver beetle, a serious enemy of white fir and red fir. 5¢.
 464 C. The gypsy and brown-tail moths and their control. 10¢.
 572 C. Life history and control of the imported willow leaf beetle. 5¢.
 *605 C. The internal application of chemicals to kill elm trees and prevent bark-beetle attack. 5¢.

Department Bulletins:

- *1088 D. *Zygobothria nidicola*, an important parasite of the brown-tail moth. 5¢.
 *1142 D. The barrier factors in gypsy moth tree-banding material. 5¢.

Miscellaneous Publications:

- *273 MP. Insect enemies of western forests. 25¢.
 417 MP. Bark beetles of the genus *Hylastes* Erichson in North America. 10¢.
 466 MP. An annotated list of elm insects in the United States. 5¢.

Technical Bulletins:

- *83 T. The Pacific flathead borer. 15¢.
 *86 T. Imported insect enemies of the gypsy moth and the brown-tail moth. 50¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Technical Bulletins—Continued.

- *111 T. Fish oil as an adhesive in lead-arsenate sprays. 10¢.
- *137 T. The pandora moth, a periodic pest of western pine forests. 5¢.
- *336 T. Attractants for the flying gipsy moths as an aid in locating new infestations. 5¢.
- *431 T. A revisional study of the genus *Scolytus* Geoffrey (*Eccoptogaster* Herbst) in North America. 5¢.
- *477 T. *Apanteles solitarius* (Ratzeburg), an introduced braconid parasite of the satin moth. 5¢.
- 706 T. Wild animal damage to seed and seedlings on cut-over Douglas fir lands of Oregon and Washington. 5¢.

FOREST INFLUENCES**Farmers' Bulletins:**

- 1405 F. The windbreak as a farm asset. 5¢.

Leaflets:

- 208 L. Intensive projects under the Cooperative Farm Forestry Act. 5¢.

Circulars:

- *19 C. Forests and floods. 5¢.
- *344 C. Causes of decadence in the old groves of North Dakota. 5¢.
- 347 C. Effect of cover on surface run-off and erosion in the loessial uplands of Mississippi. 5¢.
- 380 C. Erosion control on mountain roads. 10¢.
- *421 C. Results of field crop, shelterbelt, and orchard investigations at the United States Dry Land Field Station, Ardmore, S. Dak., 1911-32. 10¢.
- 482 C. Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity. 5¢.

Miscellaneous Publications:

- 162 MP. Our forests: What they are and what they mean to us. 10¢.
- *196 MP. Floods and accelerated erosion in northern Utah. 5¢.
- 247 MP. Forestry and permanent prosperity. 5¢.
- 257 MP. Water utilization by trees, with special reference to the economic forest species of the North Temperate Zone. 15¢.
- *388 MP. Living and forest lands. 10¢.
- 414 MP. New forest frontiers for: Jobs, permanent communities, a stronger Nation. 30¢.

Technical Bulletins:

- 220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah. 20¢.
- 528 T. Conditions influencing erosion on the Boise River watershed. 5¢.
- 567 T. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare. 15¢.

Yearbook Separates:

- 1640 Y. Forests for erosion control. (1938.) 5¢.
- 1812 Y. Climate and the Nation's forests. (1941.) 5¢.

Unnumbered:

- *Forest outings. 75¢, paper; \$1.25, buckram.
- Forests and people: Report of the Chief of Forest Service, 1941. 10¢.
- *Forests and water in the light of scientific investigation. 20¢.
- *Headwaters control and use. \$1.00.
- National forest vacations. 10¢.
- Trees that temper the western winds.

▲▲ FOREST PRODUCTS**Farmers' Bulletins:**

- 744 F. ▲The preservative treatment of farm timbers. 5¢.
- 1366 F. Production of maple sirup and sugar. 5¢.
- 1660 F. The use of logs and poles in farm construction. 5¢.
- 1756 F. Selection of lumber for farm and home building. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Leaflets:

- *30 L. ▲Cutting the farm woods "profitwise." 5¢.
- 83 L. ▲More turpentine, less scar, better pine. 5¢.
- 153 L. How to cut southern farm timber for steady profit. 5¢.
- 156 L. Harvesting and selling seed of southern pines. 5¢.

Circulars:

- *105 C. Knotty lumber for boxes. 10¢.
- *110 C. Specific gravity and Baumé gravity tables for turpentine. 5¢.
- 128 C. Effectiveness of moisture-excluding coatings on wood. 10¢.
- *131 C. Utilization of black locust. 10¢.
- *163 C. Manufacture of dimension stock from northern hardwoods. 15¢.
- *236 C. Design factors affecting the strength and rigidity of wooden crates. 5¢.
- 489 C. Selection, installation, finish, and maintenance of wood floors for dwellings. 5¢.

Department Bulletins:

- *234 D. Utilization and management of lodgepole pine in the Rocky Mountains. 15¢.
- *510 D. Timber storage conditions in the Eastern and Southern States with reference to decay problems. 25¢.
- *884 D. Utilization of sycamore. 5¢.
- 1136 D. Kiln drying handbook. 30¢.
- *1262 D. Effect of kiln drying, steaming, and air seasoning on certain fungi in wood. 10¢.
- 1485 D. The suitability of American woods for paper pulp. 20¢.
- 1500 D. The gluing of wood. 25¢.

Department Circulars:

- 64 DC. How lumber is graded. 10¢.

Miscellaneous Circulars:

- 66 MC. The identification of furniture woods. 25¢.

Miscellaneous Publications:

- 209 MP. A naval stores handbook dealing with the production of pine gum or oleoresin. 30¢.
- 224 MP. Manual on preservative treatment of wood by pressure. 15¢.
- 225 MP. Converting factors and tables of equivalents used in forestry. 15¢.
- 240 MP. Colloid chemistry of cellulosic materials. 10¢.
- *250 MP. Tests of woods for butter containers with reference to imparting odor and flavor. 5¢.
- 257 MP. Water utilization by trees, with special reference to the economic forest species of the North Temperate Zone. 15¢.
- 306 MP. The Forest Products Laboratory. 15¢.
- *326 MP. Forest resources of southeastern Texas. 20¢.
- 358 MP. Use and abuse of wood in house construction. 10¢.
- 387 MP. Turpentine still buildings and equipment. 15¢.
- 389 MP. Forest resources of the Douglas-fir region. 50¢.
- 390 MP. Forest resources of south Georgia. 20¢.
- 476 MP.▲Production of naval stores. 5¢.

Technical Bulletins:

- *158 T. Comparative strength properties of woods grown in the United States. 10¢.
- *165 T. The kiln drying of southern yellow pine lumber. 20¢.
- *168 T. The application of silviculture in controlling the specific gravity of wood. 15¢.
- 171 T. Principles of box and crate construction. 55¢.
- 174 T. The air-seasoning of wood. 35¢.
- 205 T. Gluing wood in aircraft manufacture. 25¢.
- *248 T. Wood-liquid relations. 10¢.
- *262 T. Improvement in the production of oleoresin through lower chipping. 15¢.
- 276 T. The fractionation of American gum spirits of turpentine and evaluation of its pinene content by optical means. 5¢.
- *282 T. Strength-moisture relations for wood. 20¢.
- 285 T. Properties of western larch and their relation to uses of the wood. 35¢.
- 305 T. The strength and related properties of redwood. 10¢.
- *332 T. The bearing strength of wood under bolts. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Technical Bulletins—Continued.

- 334 T. The effect of inorganic acids on the physical properties of waterleaf rag bond paper. 5¢.
- *343 T. Specific gravity and related properties of softwood lumber. 5¢.
- 479 T. Strength and related properties of woods grown in the United States. 35¢.
- *510 T. Variations in naval stores yields associated with weather and specific days between chippings. 5¢.
- 541 T. Deterioration of book and record papers. 5¢.
- *546 T. Structure, occurrence, and properties of compression wood. 10¢.
- 566 T. ▲ Western hemlock bark an important potential tanning material. 10¢.
- 596 T. Composition and fractionation of American steam-distilled wood turpentine. 5¢.
- *597 T. Lag-screw joints: Their behavior and design. 10¢.
- 605 T. Deterioration of paper as indicated by gas chamber tests. 5¢.
- 691 T. The glued laminated wooden arch. 20¢.
- 714 T. Stains of sapwood and sapwood products and their control. 20¢.
- 749 T. Composition of American gum turpentine exclusive of the pinenes. 5¢.
- 773 T. Kiln design and development of schedules for extracting seed from cones. 10¢.

Unnumbered:

What forests give. 15¢.

▲*Products of American forests. 20¢.

Marketing: Forests and Forest Products

(See also Department Organization: Laws-Rules-Regulations)

Farmers' Bulletins:

- 1210 F. Measuring and marketing farm timber. 10¢.
- 1459 F. Selling black-walnut timber. 5¢.

Leaflets:

- 156 L. Harvesting and selling seed of southern pines. 5¢.

Circulars:

- *110 C. Specific gravity and Baumé gravity tables for turpentine. 5¢.
- *207 C. Deterioration of Christmas holly in transit and storage. 10¢.

Department Bulletins:

- *510 D. Timber storage conditions in the Eastern and Southern States with reference to decay problems. 25¢.

Miscellaneous Publications:

- 185 MP. Guide to the grading of structural timbers and the determination of working stresses. 5¢.
- 347 MP. Lumber requirements for nonfarm residential construction. 15¢.
- 413 MP. Lumber distribution and consumption for 1938. 15¢.

Separates from Agricultural Statistics:

- 9 SAS. Miscellaneous agricultural statistics. (1936.)
- 39 SAS. Miscellaneous agricultural statistics. (1939.) 10¢.
- 49 SAS. Miscellaneous agricultural statistics. (1940.) 10¢.

Statistical Bulletins:

- *32 S. Stumpage and log prices for the calendar year 1928. 10¢.
- *36 S. Stumpage and log prices for the calendar year 1929. 15¢.
- *37 S. Stumpage and log prices for the calendar year 1930. 15¢.
- *44 S. Stumpage and log prices for the calendar years 1931 and 1932. 10¢.
- *51 S. Stumpage and log prices for the calendar year 1934. 10¢.
- *62 S. Stumpage and log prices for the calendar year 1936. 10¢.
- *64 S. Statistics of forest products in the Rocky Mountain States. 10¢.
- 65 S. Forest products statistics of the Pacific Coast States.
- *66 S. Stumpage and log prices for the calendar year 1937. 15¢.
- 68 S. Forest products statistics of the Lake States. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Statistical Bulletins—Continued.

- 69 S. Forest products statistics of the Southern States. 15¢.
- 70 S. Forest products statistics of the Northeastern States. 15¢.
- 71 S. Stumpage and log prices for the calendar year, 1938. 10¢.
- 73 S. Forest products statistics of Central and Prairie States. 15¢.
- 75 S. Stumpage and log prices for the calendar year 1939. 10¢.

Technical Bulletins:

- 626 T. Stumpage prices of privately owned timber in the United States. 20¢.
- 779 T. The effect of certain heart rot fungi on the specific gravity and strength of Sitka spruce and Douglas-fir. 5¢.

Unnumbered:

- Guidebook for the identification of woods used for ties and timber. 30¢.
- *National forest scaling handbook. 60¢.
- *Wood handbook. 35¢.

RANGE MANAGEMENT

(See also Bureau List: Agricultural Conservation and Adjustment Administration; and specific animal or crop)

Farmers' Bulletins:

- 1395 F. Beef-cattle production in the range area. 5¢.
- 1428 F. Saving livestock from starvation on southwestern ranges. 5¢.
- 1782 F. Indicators of southwestern range conditions. 10¢.
- 1823 F. Reseeding range lands of the Intermountain region. 5¢.
- 1833 F. Crops against the wind on the southern Great Plains. 10¢.
- 1859 F. Stock-water developments: Wells, springs, and ponds. 10¢.

Leaflets:

- 114 L. Vine-mesquite for erosion control on southwestern ranges. 5¢.
- 180 L. How to keep and increase black grama on southwestern ranges. 5¢.
- 210 L. Pricklypear control on short-grass range in the central Great Plains. 5¢.

Circulars:

- 62 C. The utilization of browse forage as summer range for cattle in southwestern Utah. 10¢.
- 178 C. Artificial reseeding on western mountain range lands. 15¢.
- *402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
- 458 C. Artificial reseeding on oak-brush range in central Utah. 10¢.
- *468 C. An extension program for range management and range livestock as adopted at a regional extension conference held at Spokane, Wash., May 24-27, 1937. 5¢.
- 482 C. Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity. 5¢.
- 491 C. Grass culture and range improvement in the central and southern Great Plains. 10¢.

Department Bulletins:

- 790 D. Range management on the National Forests. 35¢.

Department Circulars:

- 379 DC. The use of salt in range management. 10¢.

Miscellaneous Publications:

- 101 MP. Important western browse plants. 45¢.
- *110 MP. Glossary of botanical terms commonly used in range research. 15¢.
- 281 MP. A selected bibliography on management of western ranges, livestock, and wildlife. 45¢.
- 290 MP. The work of the U. S. Forest Service. 10¢.
- 338 MP. Soil defense of range and farm lands in the Southwest. 10¢.
- 410 MP. Range conservation practices for the Great Plains. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Technical Bulletins:

- *68 T. Ranch organization and methods of livestock production in the Southwest. 25¢.
- 220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah. 20¢.
- 409 T. The influence of precipitation and grazing upon black grama grass range. 5¢.
- 547 T. Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains. 5¢.
- 567 T. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare. 15¢.
- 598 T. The relation of growth to the varying carbohydrate content in mountain brome. 5¢.
- 600 T. The influence of climate and grazing on spring-fall sheep range in southern Idaho. 10¢.
- *683 T. Effects of fire and cattle grazing on longleaf pine lands as studied at McNeill, Mississippi. 10¢.
- 686 T. Weather and plant-development data as determinants of grazing periods on mountain range. 10¢.
- 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast. 10¢.

Yearbook Separates:

- 1719 Y. Pasture and range in livestock feeding. (1939.) 10¢.
- 1740 Y. The new range outlook. (1940.) 5¢.
- 1811 Y. Climate and grazing. (1941.) 5¢.

Unnumbered:

- *Range plant handbook. \$3.00.
- The use book: A manual of information about the national forests. (Grazing Section.)

▲▲ HOME ECONOMICS

(See also Bureau List: Agricultural Marketing Administration and Rural Electrification Administration; Charts—Maps—Posters; Farm and Household Engineering)

▲▲ CLOTHING AND TEXTILES

(See also under Cotton)

Farmers' Bulletins:

- 1157 F. ▲ Waterproofing and mildewproofing of cotton duck. 5¢.
- 1474 F. ▲ Stain removal from fabrics: Home methods. 5¢.
- 1497 F. ▲ Method and equipment for home laundering. 5¢.
- 1523 F. ▲ Leather shoes: Selection and care. 5¢.
- 1530 F. ▲ Fitting dresses and blouses. 5¢.
- 1633 F. Window curtaining. 5¢.
- 1765 F. ▲ Guides for buying sheets, blankets, and bath towels. 5¢.
- 1778 F. ▲ Fabrics and designs for children's clothes. 5¢.
- 1786 F. ▲ Fireproofing fabrics. 5¢.
- 1831 F. ▲ Judging fabric quality. 5¢.
- 1837 F. ▲ Cotton shirts for men and boys. 5¢.
- 1851 F. ▲ Women's dresses and slips: A buying guide. 5¢.
- 1873 F. ▲ Slip covers for furniture. 10¢.
- 1877 F. ▲ Buying boys' suits. 5¢.
- 1894 F. ▲ Coat making at home. 10¢.

Leaflets:

- 117 L. ▲ Quality guides in buying women's cloth coats. 5¢.

Circulars:

- 466 C. A weather-resistant fireproofing treatment for cotton fabrics. 5¢.
- 483 C. Proposed minimum requirements of 3 types of upholstery fabrics based on the analysis of 62 materials. 5¢.

Miscellaneous Publications:

- *62 MP. Bibliography on the relation of clothing to health. 25¢.
- 175 MP. ▲ Cotton bags as consumer packages for farm products. 5¢.
- *230 MP. Home dyeing with natural dyes. 5¢.
- *342 MP. ▲ Hosiery for women: A buying guide. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Miscellaneous Publications—Continued.

- 365 MP. Children's body measurements for sizing garments and patterns: A proposed standard system based on height and girth of hips. 20¢.
- 366 MP. Body measurements of American boys and girls for garment and pattern construction. 60¢.
- 422 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Urban and village series.) 35¢.
- 428 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Farm series.) 30¢.
- 467 MP. Women's measurements for garment and pattern construction. 40¢.
- 469 MP. Shoe sizing and fitting: An analysis of practices and trends. 10¢.

Technical Bulletins:

- 169 T. The wearing quality and other properties of vegetable-tanned and of chrome-retanned sole leather. 5¢.
- 310 T. The visual spectrophotometry of dyes. 5¢.
- *517 T. Cotton fabrics as affected by variations in pressure and in length of exposure during ironing. 5¢.
- *645 T. Manufacturing and serviceability tests on sheetings made from two selected mill types of cotton. 10¢.
- 726 T. Physical and chemical changes produced in bleached cotton duck by *Chaetomium globosum* and *Spirochaeta cytophaga*. 10¢.
- 803 T. Serviceability of selected types of cotton and rayon knit underwear. 10¢.

Unnumbered:

Make—or buy a mattress.

- ▲*When a woman buys a coat. 10¢.

Charts:

- *Clothing selection. Set of 9 charts. 20 by 30 inches. Black and white. Sold in sets only. 40¢ a set.
1. Cloth coats for women.
 2. Wash dresses for women.
 3. Costume slips.
 4. Women's hosiery.
 5. Rompers for creeping babies.
 6. Little girls' dresses.
 7. Little boys' suits.
 8. Winter playsuits.
 9. Sunsuits.

ECONOMIC STUDIES AND HOUSING**Department Bulletins:**

- *1466 D. The farmers' standard of living: A socio-economic study of 2,886 white farm families of selected localities in 11 States. 10¢.

Miscellaneous Publications:

- *205 MP. Economic and social problems and conditions of the southern Appalachians. 50¢.
- *322 MP. Housing requirements of farm families in the United States. 10¢.
- *323 MP. The farm housing survey. 15¢.
- *324 MP. Factors to be considered in preparing minimum-wage budgets for women. 10¢.
- 339 MP. Family income and expenditures. Pacific region, part one, family income. (Consumer purchases study—Urban and village series.) 35¢.
- 345 MP. Family income and expenditures. Plains and Mountain region, part one, family income. (Consumer purchases study—Urban and village series.) 30¢.
- 356 MP. Family income and expenditures. Pacific region and Plains and Mountain region, part one, family income. (Consumer purchases study—Farm series.) 30¢.
- 370 MP. Family income and expenditures. Middle Atlantic and North Central region and New England region, part one, family income. (Consumer purchases study—Urban and village series.) 50¢.
- 375 MP. Family income and expenditures. Southeast region, part one, family income. (Consumer purchases study—Urban and village series.) 35¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Miscellaneous Publications—Continued.

- 383 MP. Family income and expenditures. Middle Atlantic, North Central and New England regions, part one, family income. (Consumer purchases study—Farm series.) 25¢.
- 396 MP. Family income and expenditures. Five regions, part 2, family expenditures. (Consumer purchases study—Urban and village series.) 40¢.
- *399 MP. Family housing and facilities. Five regions. (Consumer purchases study—Urban, village, farm.) 25¢.
- 402 MP. Family expenditures for medical care. Five regions. (Consumer purchases study—Urban, village, farm.) 30¢.
- 405 MP. Family food consumption and dietary levels. Five regions. (Consumer purchases study—Farm series.) 35¢.
- 415 MP. Family expenditures for automobile and other transportation. Five regions. (Consumer purchases study—Urban, village, farm.) 30¢.
- 422 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Urban and village series.) 35¢.
- 428 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Farm series.) 30¢.
- 432 MP. Family expenditures for housing and household operation. Five regions. (Consumer purchases study—Urban and village series.) 25¢.
- 436 MP. Family expenditures for furnishings and equipment. Five regions. (Consumer purchases study—Urban, village, farm.) 25¢.
- 452 MP. Family food consumption and dietary levels. Five regions. (Consumer purchases study—Urban and village series.) 30¢.
- 457 MP. Family expenditures for housing and household operation. Five regions. (Consumer purchases study—Farm series.) 25¢.
- 464 MP. Changes in assets and liabilities of families. Five regions. (Consumer purchases study—Urban, village, farm.) 25¢.
- 475 MP. Minimum requirements for farmhouses recommended by the United States Department of Agriculture. 5¢.

Technical Bulletins:

- *576 T. Family living in Knott County, Ky. 10¢.

▲▲ FOODS

(Includes food preparation and preservation on a commercial scale. See also Bureau List; Agricultural Marketing Administration and Rural Electrification Administration; Department Organization: Laws—Rules—Regulations)

GENERAL**Circulars:**

- 138 C. Development and use of baking powder and baking chemicals. 5¢.

Miscellaneous Publications:

- *237 MP. Food plants of the North American Indians. 10¢.

Technical Bulletins:

- *534 T. Toxicity of food containing selenium as shown by its effect on the rat. 5¢.

▲▲ NUTRITION**Farmers' Bulletins:**

- 1674 F. ▲ Food for children. 5¢.
- 1705 F. ▲ Milk for the family. 5¢.
- 1757 F. ▲ Diets to fit the family income. 5¢.
- 1899 F. ▲ School lunches in country and city. 10¢.

Leaflets:

- 42 L. Good food habits for children. 5¢.
- 177 L. ▲ The pasteurization of milk. 5¢.
- 204 L. Fats and oils for cooking and table use. 5¢.

Circulars:

- *50 C. Proximate composition of fresh fruits. 5¢.
- *146 C. Proximate composition of fresh vegetables. 5¢.
- *205 C. The iron content of vegetables and fruits. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Circulars—Continued.

- 230 C. Chemical composition of certain kinds of sausage and other meat food products. 5¢.
 481 C. Food consumption of children at the National Child Research Center. 10¢.
 507 C. Diets of families of employed wage earners and clerical workers in cities. 15¢.
 *549 C. ▲Proximate composition of American food materials. 15¢.

Miscellaneous Publications:

- 405 MP. Family food consumption and dietary levels. Five regions. (Consumer purchases study—Farm series.) 35¢.
 *430 MP. ▲Are we well fed? A report on the diets of families in the United States. 15¢.
 452 MP. Family food consumption and dietary levels. Five regions. (Consumer purchases study—Urban and village series.) 30¢.
 467 MP. ▲The School Lunch Program and agricultural surplus removal. 20¢.

Technical Bulletins:

- *671 T. Composition and properties of goat's milk as compared with cow's milk. 10¢.
 *707 T. The vitamin B¹ content of foods in terms of crystalline thiamin. 5¢.
 725 T. Nutritive properties of certain animal and vegetable fats. 5¢.
 780 T. A physiological study of carotenoid pigments and other constituents in the juice of Florida oranges. 10¢.
 800 T. The effect of pasteurization on some constituents, and properties of goat's milk. 5¢.
 802 T. The vitamin A values of 128 foods as determined by the rat-growth method. 10¢.
 821 T. ▲Nutritive properties of lard and other shortening. 5¢.

Yearbooks:

- *1939 YB. ▲Food and life. \$1.50.

Yearbook Separates:

- *1668 Y. ▲Human nutrition (with literature cited). (1939.) 40¢.
 1669 Y. Food and life—A summary. (1939.) 10¢.
 1670 Y. From tradition to science. (1939.) 5¢.
 1671 Y. ▲Food functions and the relation of food to health. (1939.) 10¢.
 1672 Y. Food habits, old and new. (1939.) 5¢.
 1673 Y. Can food habits be changed? (1939.) 5¢.
 1674 Y. Food fads, facts, and fancies. (1939.) 5¢.
 1675 Y. The white rat as a contributor to science. (1939.) 5¢.
 1676 Y. ▲Human food requirements—Carbohydrates, fats, energy. (1939.) 5¢.
 1677 Y. ▲Protein requirements of man. (1939.) 5¢.
 1678 Y. ▲Mineral needs of man. (1939.) 10¢.
 1679 Y. ▲Vitamin needs of man. (1939.) 10¢.
 1680 Y. ▲Food composition. (1939.) 5¢.
 1681 Y. ▲Vitamin content of foods. (1939.) 5¢.
 1682 Y. ▲Present-day diets in the United States. (1939.) 5¢.
 1683 Y. ▲Planning for good nutrition. (1939.) 10¢.
 *1691 Y. ▲Sources and cycles of the nutritive elements. (1939.) 5¢.
 1708 Y. ▲Milk in nutritional research—A sketch of progress. (1939.) 5¢.
 1733 Y. Agricultural surpluses and nutritional deficits. (1940.) 5¢.

Unnumbered:

- ▲Dried beans and peas in low-cost meals.
 ▲Dried fruits in low-cost meals.
 ▲*Eat the right food to help keep you fit. 5¢.
 ▲Egg dishes at low-cost.
 ▲Getting the most for your food money.
 ▲Green vegetables in low-cost meals.
 Family food budgets for the use of relief agencies.
 ▲Market lists for moderate-cost and liberal meals. 5¢ each, \$1.25 per hundred.
 ▲3 market lists for low-cost meals. 5¢ each, \$1.25 per hundred.

Charts:

- *Child feeding. Set of 8 charts. 15 by 23 inches. Black and white. Sold in sets only. 25¢ a set.
 1. Happy, healthy, growing (children).
 2. Signs of good nutrition.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Charts—Continued.

3. Right start for baby.
4. Aids to good food habits.
5. Good beginning in self-help.
6. Same menu for all.
7. Meals for 3-year-old.
8. Foods for good nutrition.

*Nutrition. Set of 11 charts. 15 by 23 inches. Black and white. Sold in sets only. 50¢ a set.

1. Growth—Is an index of nutrition.
2. Growth—May be controlled by diet.
3. Protein—For building muscles and all tissues.
4. Calcium—For building strong bones and teeth.
5. Phosphorus—Needed in all parts of body.
6. Iron—For red blood.
7. Vitamin A—For growth and the prevention of certain infections.
8. Vitamin B—For good appetite and good muscle tone.
9. Vitamin C—For healthy gums and teeth.
10. Vitamin D—For good bones and teeth.
11. Vitamin G—For general well being.

Defense Poster Series;

▲*Make America strong. Set of 13 posters 20 by 25 inches. Black and white. Sold in sets only. 75¢ a set.

1. You can help make America strong.
2. Millions now don't get the food they need.
3. Some can't buy, some don't know, some don't try.
4. There's danger—when people tire too easily, when minds are slow to think, when bodies can't fight disease.
5. These breed danger—meals that are too meager, meals poorly prepared, meals low in protective foods.
6. These build strength—meals that are ample, meals well prepared, meals rich in protective foods.
7. You can use the land you have to grow the foods you need.
8. You can learn best ways to can and store the foods you need.
9. You can plan and prepare balanced meals for your family.
10. Your community can sponsor a school lunch program for its children.
11. Your community can use many ways to teach family food needs.
12. Your community can work for low-cost ways of selling needed foods.
13. Let's get to work to make Americans strong.

Posters:

*100-Calorie portions of a few familiar foods. Shows pen and ink sketches of 20 foods. 17 by 24 inches. 10¢.

These foods prevent pellagra. 16 by 24 inches. Colored.

▲▲ COOKING

(See also Bureau List: Rural Electrification Administration)

Farmers' Bulletins:

- 876 F. ▲Making butter on the farm. 5¢.
 *900 F. ▲Homemade fruit butters. 5¢.
 *960 F. Neufchâtel and cream cheese: Farm manufacture and use. 5¢.
 1236 F. ▲Corn and its uses as food. 5¢.
 1424 F. ▲Making vinegar in the home and on the farm. 5¢.
 1438 F. ▲Making fermented pickles. 5¢.
 1451 F. ▲Making and using cottage cheese in the home. 5¢.
 1454 F. Home utilization of muscadine grapes. 5¢.
 1617 F. Soybean utilization. 5¢.
 1734 F. ▲Making American cheese on the farm for home consumption. 5¢.
 1775 F. ▲Homemade bread, cake, and pastry. 5¢.
 1888 F. Poultry cooking. 10¢.

Leaflets:

- 9 L. Making and storing farm butter for winter use. 5¢.
 17 L. Cooking beef according to the cut. 5¢.
 28 L. Lamb as you like it. 5¢.
 34 L. Trichinosis: A disease caused by eating raw pork. 5¢.
 39 L. Eggs at any meal. 5¢.
 45 L. Pork in preferred ways. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Leaflets—Continued.

- 49 L. Ice creams frozen without stirring. 5¢.
- 74 L. Boning lamb cuts. 5¢.
- 81 L. Cooking cured pork. 5¢.
- 112 L. Cooking American varieties of rice. 5¢.
- 113 L. ▲Honey and some of its uses. 5¢.
- 166 L. ▲Soybeans for the table. 5¢.
- 204 L. Fats and oils for cooking and table use. 5¢.
- 213 L. Sour cream: How to prepare and use it at home. 5¢.

Circulars:

- 265 C. Conserving food value, flavor, and attractiveness in cooking vegetables. 5¢.
- 384 C. Making and using peanut butter. 5¢.
- 389 C. Production of sauer rüben. 5¢.
- 522 C. A soft cheese of the Bel Paese type. 5¢.
- 577 C. Citrus fruit products. 10¢.
- 631 C. Protein-digesting enzymes of papaya and pineapple. 5¢.

Department Bulletins:

- *319 D. Fermented milks. 5¢.
- 608 D. Varieties of cheese: Descriptions and analyses. 15¢.
- *1152 D. Soy and related fermentations. 15¢.

Miscellaneous Publications:

- 119 MP. The manufacture of low-acid rennet-type cottage cheese. 5¢.
- 167 MP. ▲A fruit and vegetable buying guide for consumers. 10¢.
- 213 MP. High-quality cream for butter making is easily produced by following 3 important steps. 5¢.
- *216 MP. ▲Meat dishes at low cost. 5¢.
- 302 MP. Nuts and ways to use them. 5¢.
- 408 MP. ▲School lunches using farm surpluses. 10¢.

Technical Bulletins:

- 462 T. Composition of the developing asparagus shoot in relation to its use as a food product and as material for canning. 5¢.
- 507 T. The cooking quality, palatability, and carbohydrate composition of potatoes as influenced by storage temperature. 5¢.

Unnumbered:

- *Aunt Sammy's radio recipes, revised. 15¢.
- ▲Apple recipes. 5¢.
- Cook pork and its products thoroughly.
- ▲Dried beans and peas in low-cost meals.
- ▲Dried fruits in low-cost meals.
- ▲Dry skim milk. 5¢.
- ▲Egg dishes at low cost.
- ▲Green vegetables in low-cost meals.

Charts:

- *Meat cooking. Set of 7 charts. 20 by 30 inches. Black and white. Sold in sets only. 50¢ a set.
 1. Do you know meat cuts and cook according to cut?
 2. Roasting a tender cut.
 3. Stuffing low-priced tender roasts.
 4. Broiling tender steaks and chops.
 5. Pot-roasting a less-tender cut.
 6. Braising a less-tender steak.
 7. Ground meat in savory ways.
- *Poultry cooking. Set of 8 charts. 20 by 30 inches. Black and white. Sold in sets only. 50¢ a set.
 1. Cooking poultry.
 2. Broiling a young bird.
 3. To fry chicken.
 4. Stuffing and trussing.
 5. Roasting young turkey.
 6. Roasting young duck.
 7. Braising a fowl.
 8. Stewing a fowl.

Posters:

- Cook pork and its products thoroughly. 11 by 13½ inches. Colored.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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▲▲ CANNING, DRYING, STORING

Farmers' Bulletins:

- 879 F. ▲Home storage of vegetables. 5¢.
- 976 F. Cooling milk and cream on the farm. 5¢.
- 984 F. ▲Farm and home drying of fruits and vegetables. 5¢
- *1075 F. Unfermented grape juice: How to make it in the home. 5¢.
- 1186 F. ▲Pork on the farm: Killing, curing, and canning. 5¢.
- 1231 F. Drying crude drugs. 5¢.
- 1264 F. Farm manufacture of unfermented apple juice. 10¢.
- 1374 F. ▲Care of food in the home. 5¢.
- 1415 F. ▲Beef on the farm: Slaughtering, cutting, curing. 5¢.
- 1424 F. ▲Making vinegar in the home and on the farm. 5¢.
- 1438 F. ▲Making fermented pickles. 5¢.
- 1454 F. Home utilization of muscadine grapes. 5¢.
- 1762 F. ▲Home canning of fruits, vegetables, and meats. 10¢.
- 1796 F. Handling and preparing the Kieffer pear for use as food. 5¢.
- 1800 F. ▲Home-made jellies, jams, and preserves. 5¢.
- 1804 F. ▲Community buildings for farm families. 10¢.
- 1807 F. ▲Lamb and mutton on the farm. 5¢.

Leaflets:

- 9 L. ▲Making and storing farm butter for winter use. 5¢.

Circulars:

- *375 C. Varietal suitability of peaches for preserve making and factors affecting the quality of the product. 5¢.
- *384 C. Making and using peanut butter. 5¢.
- *450 C. Drying Kieffer pears and the use of the dried product. 5¢.
- 499 C. A comparative study of suitability for drying purposes in forty varieties of the sweetpotato. 10¢.
- 553 C. Handling and storing small lots of dates at home. 5¢.
- 577 C. Citrus fruit products. 10¢.
- 619 C. ▲Preservation of fruits and vegetables by commercial dehydration. 10¢.

Department Bulletin:

- 1025 D. Studies in the clarification of unfermented fruit juices. 5¢.
- *1307 D. Absorption and retention of hydrocyanic acid by fumigated food products. Part II. 5¢.

Miscellaneous Publications:

- 386 MP. Packaging sliced Cheddar and Swiss cheese in cans for sandwich dispensers. 5¢.
- 460 MP. The ABC of canned fruit and vegetable labeling. 5¢.
- 472 MP. ▲Community food preservation centers. 10¢.

Technical Bulletins:

- *84 T. Preservation of peaches for use in the manufacture of ice cream. 5¢.
- *193 T. Experiments on the processing and storing of Deglet Noor dates in California. 15¢.
- 450 T. Relation of maturity and handling of Bartlett pears in the Pacific Northwest to quality of the canned product. 5¢.
- 462 T. Composition of the developing asparagus shoot in relation to its use as a food product and as material for canning. 5¢.
- 592 T. Factors affecting the rate of drying of Kieffer pears. 5¢.
- 731 T. Comparative studies of varietal suitability for freezing preservation of peas, green or snap beans, lima beans, and sweet corn grown under eastern conditions. 10¢.
- 768 T. Quality of frozen poultry as affected by storage and other conditions. 5¢.

Yearbook Separates:

- 1450 Y. Rancidity in foods delayed by excluding certain wave lengths of light. (1934.) 5¢.
- 1525 Y. Hams stored in tight cloth bags keep well for use in farm home. (1935.) 5¢.
- 1684 Y. Micro-organisms in foods and food preservation. (1939.) 5¢.
- 1685 Y. Enzymes in foods, and food preservation. (1939.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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▲▲ HEALTH AND SANITATION

(See also Household Insects and Nutrition; and Bureau List: Farm Security Administration)

Farmers' Bulletins:

- 602 F. ▲ Production of clean milk. 5¢.
- 926 F. ▲ Some common disinfectants. 5¢.
- 1166 F. Poison ivy and poison sumac and their eradication. 5¢.
- 1227 F. Sewage and sewerage of farm homes. 5¢.
- 1315 F. Cleaning milking machines. 5¢.
- 1675 F. Care of milk utensils on the farm. 5¢.
- 1792 F. ▲ Hospitals for rural communities. 5¢.

Leaflets:

- 3 L. Improved sanitation in milk production. 5¢.
- 34 L. Trichinosis: A disease caused by eating raw pork. 5¢.
- 95 L. How to control ragweed: The principal cause of autumn hay fever. 5¢.
- 177 L. ▲ The pasteurization of milk. 5¢.

Circulars:

- *46 C. Methods of collecting and preserving pollen for use in the treatment of hay fever. 5¢.
- *198 C. United States Food and Drug Administration methods of testing antiseptics and disinfectants. 10¢.

Miscellaneous Publications:

- *62 MP. Bibliography on the relation of clothing to health. 25¢.
- 402 MP. Family expenditures for medical care. Five regions. (Consumer purchases study—Urban, village, farm.) 30¢.
- 481 MP. ▲ Watch your step: Farm safety for National defense.

Yearbook Separates:

- *726 Y. Rest rooms for women in marketing centers. (1917.) 5¢.
- 1671 Y. ▲ Food functions and the relation of food to health. (1939.) 10¢.
- 1686 Y. United States meat inspection. (1939.) 5¢.
- 1687 Y. Supervision and inspection of milk. (1939.) 5¢.
- 1798 Y. Comfort and disease in relation to climate. 5¢.
- 1799 Y. Health in tropical climates. 5¢.

Unnumbered:

- First aid for flooded homes and farms.

Posters:

- Cook pork and its products thoroughly. 11 by 13½ inches. Colored.

▲▲ HOUSEHOLD EQUIPMENT AND MANAGEMENT

(See also Bureau List: Agricultural Marketing Administration and Rural Electrification Administration; and Economic Studies and Housing)

Farmers' Bulletins:

- 1460 F. ▲ Simple plumbing repairs in the home. 5¢.
- 1497 F. ▲ Methods and equipment for home laundering. 5¢.
- 1553 F. Planning and recording family expenditures. 5¢.
- 1633 F. Window curtaining. 5¢.
- 1698 F. Heating the farm home. 5¢.
- 1757 F. ▲ Diets to fit the family income. 5¢.
- 1765 F. ▲ Guides for buying sheets, blankets, and bath towels. 5¢.
- 1834 F. ▲ House cleaning management and methods. 5¢.
- 1838 F. Electric light for the farmstead. 10¢.
- 1851 F. ▲ Women's dresses and slips: A buying guide. 5¢.
- 1865 F. Closets and storage spaces. 5¢.
- 1873 F. ▲ Slip covers for furniture. 10¢.

Leaflets:

- 69 L. Preservation of leather bookbindings. 5¢.
- 191 L. Liquefied gas for the household. 5¢.

Circulars:

- 406 C. Oil burners for home heating. 5¢.
- 489 C. Selection, installation, finish, and maintenance of wood floors for dwellings. 5¢.

Miscellaneous Publications:

- 167 MP. ▲ A fruit and vegetable buying guide for consumers. 10¢.
- 392 MP. ▲ Buying beef by grade. 5¢.
- 396 MP. Family income and expenditures. Five regions, part 2, family expenditures. (Consumer purchases study—Urban and village series.) 40¢.

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Miscellaneous Publications—Continued.

- *427 MP. Questions and answers on the cotton mattress program. 5¢.
- 432 MP. Family expenditures for housing and household operation. Five regions. (Consumer purchases study—Urban and village series.) 25¢.
- 436 MP. Family expenditures for furnishings and equipment. Five regions. (Consumer purchases study—Urban, village, farm.) 25¢.
- 457 MP. Family expenditures for housing and household operation. Five regions. (Consumer purchases study—Farm series.) 25¢.
- 460 MP. ▲The ABC of canned fruit and vegetable labeling. 5¢.
- 464 MP. Changes in assets and liabilities of families. Five regions. (Consumer purchases study—Urban, village, farm.) 25¢.

Technical Bulletins:

- *109 T. A study of the oil burner as applied to domestic heating. 10¢.
- *576 T. Family living in Knott County, Ky. 10¢.

Yearbook Separates:

- 1688 Y. ▲Food grades and the consumer. (1939.) 5¢.
- 1689 Y. ▲What the modern homemaker needs to know. (1939.) 5¢.

Unnumbered:

- *Farm family account book. 20¢.
- Make or buy a mattress.
- ▲Market lists for moderate-cost and liberal meals. 5¢ each, \$1.25 per hundred.
- The rural home and the national emergency.
- ▲3 market lists for low-cost meals. 5¢ each, \$1.25 per hundred.

▲▲ HOUSEHOLD INSECTS**Farmers' Bulletins:**

- *627 F. The house centipede. 5¢.
- 734 F. ▲Flytraps and their operation. 5¢.
- *1354 F. The yellow-fever mosquito. 5¢.
- *1655 F. ▲The control of moths in upholstered furniture. 10¢.
- *1670 F. Hydrocyanic acid gas as a fumigant for destroying household insects. 5¢.

Leaflets:

- 144 L. ▲Cockroaches and their control. 5¢.
- 145 L. ▲Clothes moths. 5¢.
- 146 L. ▲Bedbugs. 5¢.
- 147 L. House ants. 5¢.
- 149 L. Silverfish. 5¢.
- 150 L. Carpet beetles. 5¢.
- 152 L. How to control fleas. 5¢.
- 182 L. ▲Housefly control. 5¢.
- 186 L. ▲Domestic mosquitoes. 5¢.
- 189 L. Psocids, annoying house pests. 5¢.
- 192 L. Centipedes and millipedes in the house. 5¢.

Circulars:

- 387 C. Distribution of the Argentine ant in the United States and suggestions for its control or eradication. 5¢.

Technical Bulletins:

- 766 T. The European earwig. 15¢.

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(See also Bureau List: Agricultural Research Administration; Puerto Rico; and animal or crop attacked)

Farmers' Bulletins:

- 627 F. The house centipede. 5¢.
- *650 F. The San Jose scale and its control. 5¢.
- 675 F. The roundheaded apple-tree borer. 5¢.
- *701 F. The bagworm, an injurious shade-tree insect. 5¢.
- *705 F. The catalpa sphinx. 5¢.
- 713 F. Sheep scab. 5¢.
- *721 F. The rose-chaffer: A destructive garden and vineyard pest. 5¢.
- 734 F. Flytraps and their operation. 5¢.

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Farmers' Bulletins—Continued.

- 752 F. The fall armyworm, or "grass worm," and its control. 5¢.
 763 F. Orchard barkbeetles and pinhole borers, and how to control them. 5¢.
 798 F. The sheep tick and its eradication by dipping. 5¢.
 801 F. Mites and lice on poultry. 5¢.
 831 F. The red spider on cotton and how to control it. 5¢.
 *835 F. How to detect outbreaks of insects and save the grain crops. 5¢.
 875 F. The rough-headed cornstalk beetle in the Southern States and its control. 5¢.
 891 F. The corn root-aphis and methods of controlling it. 5¢.
 909 F. Cattle lice and how to eradicate them. 5¢.
 *915 F. How to reduce weevil waste in southern corn. 5¢.
 944 F. Controlling the garden webworm in alfalfa fields. 5¢.
 950 F. The southern corn rootworm and farm practices to control it. 5¢.
 *959 F. The spotted garden slug. 5¢.
 971 F. The control of the clover-flower midge. 5¢.
 980 F. The spinose ear tick and methods of treating infested animals. 5¢.
 982 F. Control of the green clover worm in alfalfa fields. 5¢.
 1003 F. How to control billbugs destructive to cereal and forage crops. 5¢.
 1006 F. The wheat jointworm and its control. 5¢.
 *1011 F. The wooly white fly in Florida citrus groves. 5¢.
 1017 F. Cattle scab and methods of control and eradication. 5¢.
 *1025 F. The larger corn stalk-borer. 5¢.
 1057 F. Cattle-fever ticks and methods of eradication. 5¢.
 1065 F. The flat-headed apple-tree borer. 5¢.
 *1070 F. The fowl tick and how premises may be freed from it. 5¢.
 *1076 F. California oak worm. 5¢.
 *1085 F. Hog lice and hog mange, methods of control and eradication. 5¢.
 1094 F. The alfalfa caterpillar. 5¢.
 1097 F. The stable fly: How to prevent its annoyance and its losses to livestock. 5¢.
 1128 F. Control of aphids injurious to orchard fruits, currant, gooseberry, and grape. 5¢.
 *1156 F. Angoumois grain moth. 5¢.
 1169 F. Insects injurious to deciduous shade trees and their control. 10¢.
 *1206 F. The corn earworm as an enemy of vetch. 5¢.
 1217 F. The green-bug or spring grain-aphis: How to prevent its periodical outbreaks. 5¢.
 1246 F. The peach borer: How to prevent or lessen its ravages; the paradichlorobenzene treatment. 5¢.
 1252 F. Sawflies injurious to rose foliage. 5¢.
 *1257 F. Insects injurious to the mango in Florida and how to combat them. 5¢.
 1258 F. Webworms injurious to cereal and forage crops and their control. 5¢.
 1259 F. A sawfly injurious to young pines. 5¢.
 1260 F. Stored-grain pests. 10¢.
 *1261 F. The avocado: Its insect enemies and how to combat them. 5¢.
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 *1286 F. The red-necked raspberry cane-borer. 5¢.
 *1306 F. Insect enemies of chrysanthemums. 5¢.
 *1309 F. Control of the common mealy bug on citrus in California. 5¢.
 1323 F. The wheat strawworm and its control. 5¢.
 *1344 F. The strawberry rootworm as an enemy of the greenhouse rose. 5¢.
 *1354 F. The yellow-fever mosquito. 5¢.
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Farmers' Bulletins—Continued.

- *1514 F. Control of sugar-beet nematode by crop rotation. 5¢.
- 1531 F. The tobacco budworm and its control in the Georgia and Florida tobacco-growing region. 5¢.
- 1543 F. Insects injurious to the rice crop. 5¢.
- 1548 F. The European corn borer: Its present status and methods of control. 10¢.
- *1557 F. Insects attacking the peach in the South and how to control them. 5¢.
- 1561 F. The Porto Rican mole cricket. 5¢.
- 1566 F. The sorghum midge, with suggestions for control. 5¢.
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- 1624 F. The Mexican bean beetle in the East and its control. 5¢.
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- *117 C. The Asiatic beetle: A serious pest in lawns. 5¢.
- *157 C. Fig insects in California. 20¢.
- *168 C. Insects injurious to agriculture in Japan. 20¢.

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- *194 C. Manure piles and feed lots as sources of European corn borer reinfestation. 5¢.
- *196 C. The blueberry maggot and its control in eastern Maine. 5¢.
- *221 C. The white-pine weevil. 5¢.
- *226 C. Control of the turpentine borer in the naval stores region. 5¢.
- *227 C. Reactions of the Japanese beetle to spray deposits on foliage. 5¢.
- *234 C. Black pit of the pecan and some insects causing it. 5¢.
- 237 C. Control of the Japanese beetle on fruit and shade trees. 5¢.
- *241 C. Leaf hoppers injurious to cereal and forage crops. 5¢.
- *244 C. Movements of the beet leaf hopper in 1930 in southern Idaho. 5¢.
- 246 C. Life history and control of the Asiatic garden beetle. 5¢.
- *247 C. A box-type trap to aid in the control of eye gnats and blow-flies. 5¢.
- 248 C. Sod webworms and their control in lawns and golf greens. 5¢.
- *255 C. Observations on the Mexican fruitfly and some related species in Cuernavaca, Mexico, in 1928 and 1929. 5¢.
- *266 C. The citrus insects of tropical Asia. 5¢.
- *269 C. A pest of cured tobacco, *Ephestia elutella* Hübner. 5¢.
- *270 C. Orchard insects of the Pacific Northwest and their control. 15¢.
- *277 C. The oriental moth (*Cnidocampa flavescens* Walk.) and its control. 5¢.
- *281 C. The survival of European corn-borer larvae in barns and other storage places. 5¢.
- *287 C. Burning for the control of aphids on alfalfa in the Antelope Valley of California. 5¢.
- *295 C. The obscure scale on the pecan and its control. 5¢.
- *301 C. The cyclamen mite and the broad mite and their control. 5¢.
- *305 C. The boxwood leaf miner and its control. 5¢.
- *307 C. Control of aphids on alfalfa in the Antelope Valley, Calif. 5¢.
- 321 C. Use of farm machinery for corn-borer control in the one-generation area. 5¢.
- 332 C. General information about the Japanese beetle in the United States. 5¢.
- 334 C. Characters useful in distinguishing larvae of *Popillia japonica* and other introduced Scarabaeidae from native species. 5¢.
- *349 C. The disposal by burial of fruit infested with larvae of the Mexican fruit fly. 5¢.
- *356 C. Trapping experiments for the control of the cigarette beetle. 5¢.
- *365 C. The camphor scale. 5¢.
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- *401 C. Control of the Japanese beetle and its grub in home yards. 5¢.
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- *605 C. The internal application of chemicals to kill elm trees and prevent bark-beetle attack. 5¢.
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- *1137 D. Symptoms of wheat rosette compared with those produced by certain insects. 5¢.
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- *1218 D. Horse-flies: Biologies and relation to western agriculture. 10¢.
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- *1426 D. The clover root borer. 10¢.
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- *498 T. The flour beetles of the genus *Tribolium*. 10c.
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- *719 T. Prevention of damage by the seed-corn maggot to potato seed pieces. 10c.
- 723 T. Biology of the seed-corn maggot in the Coastal Plain of the South Atlantic States. 10c.
- 740 T. Studies of methods and materials for the control of the leafhopper *Empoasca fabae* as a bean pest. 10c.
- 741 T. Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. 5c.
- 744 T. Life history of the sugar-beet wireworm in Southern California. 15c.
- 762 T. Structure and development of the alimentary canal of the southern armyworm larva. 5c.
- 766 T. The European earwig. 15c.
- *774 T. Life histories and habits of some grasshoppers of economic importance on the Great Plains. 20c.
- 775 T. The yellow chapote, a native host of the Mexican fruitfly. 5c.
- 778 T. The biology and control of the sorghum midge. 10c.
- 782 T. Field studies of insecticides used to control cabbage caterpillars in the South. 10c.
- 784 T. The wheat jointworm in Oregon, with special reference to its dispersion, injury, and parasitization. 10c.
- 791 T. Hibernation of the corn earworm in southeastern Georgia. 5c.

Posters:

Help fight the European corn borer. 21 by 32 inches. Colored.

Yearbook Separates:

1814 Y. Insects and the weather. (1941.) 5c.

Picture Sheets:

- No. 1. Tomato hornworms. 5¾ by 9¼ inches. Colored. 5c.
- No. 2. Mexican bean beetle. 5¾ by 9¼ inches. Colored. 5c.
- No. 3. Colorado potato beetle. 5¾ by 9¼ inches. Colored. 5c.
- No. 4. The Japanese beetle. 5¾ by 9¼ inches. Colored. 5c.
- No. 5. Harlequin bug. 5¾ by 9¼ inches. Colored. 5c.
- No. 6. Gladiolus thrips. 5¾ by 9¼ inches. Colored. 5c.
- No. 7. Striped cucumber beetle. 5¾ by 9¼ inches. Colored. 5c.
- No. 8. Potato leafhopper. 5¾ by 9¼ inches. Colored. 5c.
- No. 9. Imported cabbage worm. 5¾ by 9¼ inches. Colored. 5c.
- No. 10. Squash borer. 5¾ by 9¼ inches. Colored. 5c.
- No. 11. Corn earworm. 5¾ by 9¼ inches. Colored. 5c.
- No. 12. Fall armyworm. 5¾ by 9¼ inches. Colored. 5c.
- No. 13. Tomato fruitworm. 5¾ by 9¼ inches. Colored. 5c.

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INSECT PARASITES

Circulars:

- *14 C. Status of imported parasites of the European corn borer. 5¢.
- *18 C. Experimental dissemination of the tabanid egg parasite, *Phanurus emersoni* Girault, and biological notes on the species. 5¢.
- *176 C. Observations on the satin moth and its natural enemies in central Europe. 5¢.
- *289 C. Observations on the European corn borer and its major parasites in the Orient. 5¢.
- 346 C. Insect parasites and predators of insect pests. 5¢.
- *376 C. New equipment for obtaining host material for the mass production of *Trichogramma minutum*, an egg parasite of various insect pests. 5¢.
- *418 C. Parasites and predators of the Mexican bean beetle in the United States. 5¢.
- *439 C. Parasitization of the Mediterranean fruitfly in Hawaii, 1914-33. 5¢.
- *459 C. Effectiveness of imported insect enemies of the satin moth. 5¢.
- *485 C. *Tetrastichus brevistigma* Gahan, a pupal parasite of the elm leaf beetle. 5¢.
- 561 C. Importation, rearing, and colonization of parasites of the oriental fruit moth. 10¢.
- 593 C. Apparatus and technique for the study of the egg parasites of the beet leafhopper. 5¢.

Department Bulletins:

- *1088 D. *Zygobothria nidicola*, an important parasite of the brown-tail moth. 5¢.
- *1429 D. The parasites of *Popillia japonica* in Japan and Chosen (Korea) and their introduction into the United States. 15¢.

Department Circulars:

- *301 DC. Introduction of parasites of the alfalfa weevil into the United States. 5¢.

Miscellaneous Publications:

- *174 MP. The serphoid and chalcidoid parasites of the hessian fly. 10¢.
- *241 MP. The genera of parasitic wasps of the braconid subfamily Euphorinae, with a review of the Nearctic species. 5¢.
- *258 MP. Annotated list of the insects and mites associated with stored grain and cereal products, and of their Arthropod parasites and predators. 10¢.
- 354 MP. A review of the parasitic wasps of the ichneumonid genus *Exenterus* Hartig. 5¢.

Technical Bulletins:

- *19 T. Parasites of the pink bollworm in Hawaii. 5¢.
- *59 T. The European corn borer and its controlling factors in Europe. 10¢.
- *86 T. Imported insect enemies of the gypsy moth and the brown-tail moth. 50¢.
- *98 T. Imported parasites of the European corn borer in America. 30¢.
- *215 T. A biological study of *Trichogramma minutum* Riley, as an egg parasite of the oriental fruit moth. 5¢.
- 230 T. *Macrocentrus gifuensis* Ashmead, a polyembryonic braconid parasite in the European corn borer. 15¢.
- 233 T. *Apanteles thompsoni* Lyle, a braconid parasite of the European corn borer. 10¢.
- 294 T. The biology and morphology of the braconid *Chelonus annulipes* Wesm., a parasite of the European corn borer. 10¢.
- 308 T. Biology of some Japanese and Chosenese grub parasites (Scoliidae). 10¢.
- 320 T. The citrus blackfly in Asia, and the importation of its natural enemies into tropical America. 10¢.
- *363 T. The parasites of the sugarcane borer in Argentina and Peru, and their introduction into the United States. 5¢.
- 365 T. Biology of *Brachymeria fonscolombei* (Dufour), a hymenopterous parasite of the blowfly larvae. 5¢.
- *366 T. Further investigations of the parasites of *Popillia japonica* in the Far East. 5¢.

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Technical Bulletins—Continued.

- *441 T. The biology of *Cremastus flavoorbitalis* (Cameron), an ichneumonid parasite of the European corn borer. 5¢.
- *460 T. Studies of *Exeristes roborator* (Fab.), a parasite of the European corn borer, in the Lake Erie area. 5¢.
- *477 T. *Apanteles solitarius* (Ratzeburg), an introduced braconid parasite of the satin moth. 5¢.
- *504 T. *Orius insidiosus* (Say), an important natural enemy of the corn ear worm. 5¢.
- 689 T. Status and relative importance of the parasites of the hessian fly in the Atlantic States. 5¢.
- 715 T. Keys to the parasites of the hessian fly based on remains left in the host puparium. 10¢.
- 721 T. *Paraderodes epilachnae*, a tachinid parasite of the Mexican bean beetle. 5¢.
- 728 T. Parasites of the oriental fruit moth in Japan and Chosen and their introduction into the United States. 10¢.
- 738 T. Investigations of the parasites of *Popillia japonica* and related Scarabaeidae in the Far East from 1929 to 1933, inclusive. 10¢.
- 743 T. Experiments with *Trichogramma minutum* Riley as a control of the sugarcane borer in Louisiana. 10¢.
- 757 T. Parasites of the birch leaf-mining sawfly (*Phyllotoma nemorata*). 10¢.

INSECTICIDES**Farmers' Bulletins:**

- 933 F. Spraying for the control of insects and mites attacking citrus trees in Florida. 5¢.
- 1246 F. The peach borer: How to prevent or lessen its ravages; the paradichlorobenzene treatment. 5¢.
- *1285 F. Lime-sulphur concentrate: Preparation, uses, and designs for plants. 5¢.
- *1321 F. Fumigation of citrus trees for control of insect pests. 5¢.
- 1582 F. Protection of log cabins, rustic work, and unseasoned wood from injurious insects. 5¢.
- *1670 F. Hydrocyanic acid gas as a fumigant for destroying household insects. 5¢.
- 1676 F. Lubricating-oil sprays for use on dormant fruit trees. 5¢.
- 1729 F. Machinery for dusting cotton. 5¢.

Circulars:

- *123 C. A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot. 5¢.
- *132 C. Fighting the corn borer with machinery in the two-generation area. 15¢.
- *189 C. Control of the satin moth by spraying in alternate years. 5¢.
- *198 C. United States Food and Drug Administration methods of testing antiseptics and disinfectants. 10¢.
- *204 C. An air-pressure extension brush for applying creosote to gypsy moth egg clusters. 5¢.
- 369 C. Industrial fumigation against insects. 10¢.
- *373 C. Fumigation of fresh fruit to destroy the adult Japanese beetle. 5¢.
- *411 C. A study of arsenical dusting of cabbage in relation to poison residues. 5¢.
- *455 C. The toxicity of *Haplophyton cimicidum* A. DC. to fruit-flies. 5¢.
- *523 C. Toxicity of certain organic insecticides to codling moth larvae in laboratory tests. 5¢.
- 555 C. Fumigation of vetch seed for the vetch bruchid. 5¢.
- 568 C. Factors influencing the use of some common insecticide-dispersing agents. 5¢.
- 598 C. Experiments in the use of vapor-spray equipment. 5¢.
- 610 C. Adsorption of mercuric chloride from solution by gladiolus corms. 5¢.

Department Bulletins:

- *1115 D. Chemical changes in calcium arsenate during storage. 10¢.

Department Circulars:

- *367 DC. Airplane dusting in the control of malaria mosquitoes. 5¢.

Miscellaneous Publications:

- 176 MP. Bibliography of chloropicrin, 1848-1932.

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Technical Bulletins:

- *80 T. Tests of blowfly baits and repellents during 1926. 5¢.
- *111 T. Fish oil as an adhesive in lead-arsenate sprays. 10¢.
- *198 T. Relative insecticidal value of commercial grades of pyrethrum. 5¢.
- 274 T. Hot water as an insecticide for the Japanese beetle in soil and its effect on the roots of nursery plants. 15¢.
- 299 T. Repellency to the Japanese beetle of extracts made from plants immune to attack. 5¢.
- *336 T. Attractants for the flying gypsy moths as an aid in locating new infestations. 5¢.
- *427 T. The use of naphthalene against the Japanese beetle. 5¢.
- 478 T. The use of carbon disulphide against the Japanese beetle. 10¢.
- *487 T. Boll weevil control with calcium arsenate on field plots in Madison Parish, La., from 1920 to 1934. 5¢.
- 595 T. Studies on the possibilities of devil's shoestring (*Tephrosia virginiana*) and other native species of *Tephrosia* as commercial sources of insecticides. 10¢.
- 623 T. Fumigation of baled cotton with hydrocyanic acid for the pink bollworm. 10¢.
- 740 T. Studies of methods and materials for the control of the leafhopper *Empoasca fabae* as a bean pest. 10¢.

▲▲ BEES AND HONEY

Farmers' Bulletins:

- 961 F. Transferring bees to modern hives. 5¢.
- *1039 F. ▲Commercial comb-honey production. 5¢.
- 1198 F. Swarm control. 5¢.
- *1215 F. ▲Beekeeping in the clover region. 5¢.

Circulars:

- 554 C. Honey and pollen plants of the United States. 10¢.

Technical Bulletins:

- *481 T. Organization and management of apiaries producing extracted honey in the white clover region. 10¢.
- 656 T. Cost of producing extracted honey in California. 10¢.

Diseases and Parasites: Bees

Farmers' Bulletins:

- 1713 F. The treatment of American foulbrood. 5¢.

Circulars:

- 392 C. Diagnosing bee diseases in the apiary. 5¢.

Insects: Bees

Circulars:

- 386 C. The wax moth and its control. 5¢.

Products: Bees

Leaflets:

- 113 L. ▲Honey and some of its uses. 5¢.

Marketing: Bees and Products

Leaflets:

- 68 L. Roadside markets. 5¢.

Circulars:

- *24 C. United States grades, color standards, and packing requirements for honey. 5¢.

Technical Bulletins:

- 716 T. Investigations on the physical and chemical properties of beeswax. 5¢.

Yearbook Separates:

- *1152 Y. Statistics of cattle, hogs, sheep, mules, asses, and honey. (1931.) 15¢.

Posters:

- *Color standards for grades of comb honey. 7 by 17 inches. Colored. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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▲▲ MARKETING RESEARCH

(See also Bureau List: Agricultural Conservation and Adjustment Administration, Agricultural Marketing Administration, and Farm Credit Administration; Charts—Maps—Posters)

▲▲ COMMODITY FUTURES

Circulars:

- *323 C. Trading in privileges on the Chicago Board of Trade. 10¢.
- 397 C. Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934. 5¢.
- 539 C. Trading for others in commodity futures. 5¢.
- 604 C. Trading in wool top futures. 15¢.

Miscellaneous Publications:

- 282 MP. Sales of cotton for future delivery, 1925-26 to 1935-36. 10¢.

Statistical Bulletins:

- 41 S. Wheat futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932. 10¢.
- 43 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932. 10¢.
- 54 S. Wheat futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935. 15¢.
- 55 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935. 15¢.
- 72 S. Wheat futures: Volume of trading, open contracts and prices from January 2, 1936, to December 31, 1938. 15¢.
- 74 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1936, to December 30, 1939. 15¢.

Technical Bulletins:

- *199 T. Trading in corn futures. 20¢.
- 602 T. Relation of spot cotton prices to prices of futures contracts and protection afforded by trading in futures. 15¢.
- 685 T. Cotton prices in spot and futures markets. 15¢.
- 747 T. Grain prices and the futures market: A 15-year survey, 1923-1938. 10¢.

▲▲ MARKET DISEASES

(See also Charts—Maps—Posters)

Farmers' Bulletins:

- 1160 F. Diseases of apples in storage. 5¢.

Leaflets:

- 38 L. Maintaining the health of livestock in transit. 5¢.

Circulars:

- *245 C. Spoilage of tomatoes in transit, as shown by inspection certificates, 1922 to 1930. 5¢.
- 253 C. Spoilage of stone fruits on the market. 5¢.
- 371 C. Development of phoma rot of tomatoes in transit and in storage. 10¢.
- 511 C. Control of black rot of pineapples in transit. 5¢.
- 574 C. Studies on the "raisining" of Alexandria (Muscat) grapes in transit. 5¢.

Department Bulletins:

- *510 D. Timber storage conditions in the Eastern and Southern States with reference to decay problems. 25¢.

Department Circulars:

- *402 DC. Diseases of strawberries on the market. 5¢.
- *413 DC. Extent and causes of rejections of boxed apples from the State of Washington, seasons 1922 to 1925. 5¢.

Miscellaneous Publications:

- *98 MP. Market diseases of fruits and vegetables: Potatoes. 30¢.
- *121 MP. Market diseases of fruits and vegetables: Tomatoes, peppers, eggplants. 20¢.
- *168 MP. Market diseases of fruits and vegetables: Apples, pears, quinces. 40¢.

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Miscellaneous Publications—Continued.

- *228 MP. Market diseases of fruits and vegetables: Peaches, plums, cherries, and other stone fruits. 20¢.
- *292 MP. Market diseases of fruits and vegetables: Crucifers and cucurbits. 45¢.
- *340 MP. Market diseases of fruits and vegetables: Grapes and other small fruits. 40¢.
- *440 MP. Market diseases of fruits and vegetables: Asparagus, onions, beans, peas, carrots, celery, and related vegetables. 35¢.

Technical Bulletins:

- 318 T. Effect of solid and gaseous carbon dioxide upon transit diseases of certain fruits and vegetables. 10¢.
- *573 T. Investigations of the market diseases of cantaloups and Honey Dew and Honey Ball melons. 15¢.

▲▲ MARKETING: GENERAL**Leaflets:**

- 68 L. Roadside markets. 5¢.
- 73 L. Is the public market a good civic investment? 5¢.

Circulars:

- *8 C. National standards for farm products. 5¢.

Department Bulletins:

- *1002 D. Open types of public markets. 5¢.

Discussion Series:

- 20 DS. Surplus farm products—Where shall we find a market? 10¢.

Miscellaneous Circulars:

- *35 MC. Bibliography on the marketing of agricultural products. 10¢.
- *51 MC. The farmer and the United States Warehouse Act. 5¢.

Miscellaneous Publications:

- *150 MP. Bibliography on the marketing of agricultural products. 20¢.
- 467 MP. The School Lunch Program and agricultural surplus removal. 20¢.

Technical Bulletins:

- 737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-39. 5¢.

Yearbook Separates:

- *726 Y. Rest rooms for women in marketing centers. (1917.) 5¢.
- *808 Y. Marketing and purchasing demonstrations in the South. (1919.) 5¢.
- *860 Y. The farmers' interest in foreign markets. (1920.) 5¢.
- 1733 Y. Agricultural surpluses and nutritional deficits. (1940.) 5¢.
- 1745 Y. Acreage allotments, marketing quotas, and commodity loans. (1940.) 5¢.
- 1746 Y. The meaning of foreign trade for agriculture. (1940.) 5¢.
- 1747 Y. Reciprocal trade agreements—A new method of tariff making. (1940.) 5¢.
- 1748 Y. Methods of increasing agricultural exports. (1940.) 5¢.
- 1749 Y. The industrial market for farm products. (1940.) 5¢.
- 1750 Y. Reducing the costs of food distribution. (1940.) 5¢.
- 1751 Y. Marketing-agreement programs as a means of agricultural adjustment. (1940.) 5¢.
- 1752 Y. Thirty million customers for the surplus. (1940.) 5¢.
- 1753 Y. Barriers to internal trade in farm products. (1940.) 5¢.
- 1754 Y. Standardization and inspection of farm products. (1940.)

Unnumbered:

- Barriers to internal trade in farm products. 25¢.
- Economic analysis of the Food Stamp Plan. 20¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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▲▲ MARKETING: CROPS

(See also Bureau List: Agricultural Conservation and Adjustment Administration, Agricultural Marketing Administration and Farm Credit Administration; Department Organization: Laws—Rules—Regulations; and specific crop)

Farmers' Bulletins:

- 1204 F. Northwestern apple packing houses. 5¢.
- 1210 F. Measuring and marketing farm timber. 5¢.
- *1232 F. Seed marketing hints for the farmer. 5¢.
- 1291 F. Preparation of fresh tomatoes for market. 5¢.
- 1308 F. Marketing the cowpea seed crop. 5¢.
- 1420 F. Handling rough rice to produce high grades. 5¢.
- 1423 F. Preparation of cabbage for market. 5¢.
- 1457 F. Packing apples in boxes. 5¢.
- 1459 F. Selling black-walnut timber. 5¢.
- 1551 F. Marketing farm produce by parcel post. 5¢.
- 1558 F. Preparation of eastern grapes for market. 5¢.
- 1560 F. Preparing strawberries for market. 5¢.
- 1574 F. Preparing Johnson hay for market in the Black Prairie Belt of Alabama and Mississippi. 5¢.
- 1594 F. Preparation of bunched beets, carrots, and turnips for market. 5¢.
- 1695 F. Preparing apples for market in barrels and baskets. 5¢.
- 1700 F. Marketing hay by modern methods. 5¢.
- 1702 F. Preparing peaches for market. 5¢.
- 1770 F. High-grade timothy and clover hay: Methods of producing, baling, and loading for market. 5¢.
- 1821 F. Containers for fruits and vegetables. 10¢.

Leaflets:

- 167 L. Facts about cotton. 5¢.

Circulars:

- 91 C. Market supplies and prices of apples. 15¢.
- *110 C. Specific gravity and Baumé gravity tables for turpentine. 5¢.
- 161 C. Bulk and sack handling of grain in the Pacific Coast States. 10¢.
- 435 C. Tobacco shrinkages and losses in weight in handling and storage. 10¢.
- 463 C. Wholesale markets for fruits and vegetables in 40 cities. 15¢.
- 475 C. Marketing the late crop of potatoes. 10¢.
- 484 C. Effect of date of harvest on yield and milling quality of rice. 5¢.
- 515 C. Handling and shipping strawberries without refrigeration. 5¢.
- 519 C. The tobacco industry in Puerto Rico.
- 553 C. Handling and storing small lots of dates at home. 5¢.
- 566 C. The ripening and repacking of mature-green tomatoes. 5¢.
- 577 C. Citrus fruit products. 10¢.

Department Bulletins:

- *1373 D. Dust control in grain elevators. 10¢.
- 1406 D. The ripening, storage, and handling of apples. 20¢.
- *1416 D. Marketing barreled apples. 20¢.
- *1460 D. Testing wheat for protein with a recommended method for making the test. 5¢.

Department Circulars:

- 64 DC. How lumber is graded. 5¢.
- *415 DC. Some effects of freezing on onions. 5¢.
- *416 DC. Demand, marketing, and production of Oregon and Washington prunes. 10¢.

Miscellaneous Circulars:

- *56 MC. Cleaning grain with the Bates aspirator. 10¢.

Miscellaneous Publications:

- *75 MP. Method of testing the capacity of fruit and vegetable containers under the United States standard container acts. 5¢.
- 140 MP. Protein tests for wheat and oil tests for flaxseed and soybeans. 10¢.
- 175 MP. Cotton bags as consumer packages for farm products. 5¢.

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Miscellaneous Publications—Continued.

- 185 MP. Guide to the grading of structural timbers and the determination of working stresses. 5¢.
- 187 MP. Inspection of United States wheat exported through Canadian ports. 5¢.
- *189 MP. Synopsis of Federal plant quarantines affecting interstate shipments in effect January 1, 1934. 10¢.
- 242 MP. Development and use of standards for grade, color, and character of American cotton linters. 5¢.
- 282 MP. Sales of cotton for future delivery, 1925-26 to 1935-36. 10¢.
- 310 MP. The classification of cotton. 10¢.
- 325 MP. Grain grading primer. 10¢.
- 328 MP. The service of federal grain standards. 5¢.
- 347 MP. Lumber requirements for nonfarm residential construction. 15¢.
- 413 MP. Lumber distribution and consumption for 1938. 15¢.
- 416 MP. Marketing peanuts and peanut products. 20¢.
- 441 MP. Cottonseed: Official grading and market news. 5¢.
- 460 MP. The ABC of canned fruit and vegetable labeling. 5¢.

Technical Bulletins:

- 7 T. Origin and distribution of the commercial potato crop. 10¢.
- 50 T. Factors affecting the price of cotton. 15¢.
- *115 T. Factors affecting the price of peaches in the New York City market. 15¢.
- *193 T. Experiments on the processing and storing of Deglet Noor dates in California. 15¢.
- 234 T. Marketing apples grown in the Cumberland-Shenandoah region of Pennsylvania, Virginia, and West Virginia. 10¢.
- 268 T. Effect of various temperatures on the storage and ripening of tomatoes. 15¢.
- 290 T. Investigations on harvesting and handling fall and winter pears. 15¢.
- 297 T. Factors affecting the price of rice. 5¢.
- *311 T. Adequacy and reliability of crop-yield estimates. 10¢.
- 423 T. Fluctuations in prices of cotton futures contracts. 5¢.
- 425 T. Marketing cantaloups and other muskmelons. 5¢.
- 445 T. Market distribution of car-lot shipments of fruits and vegetables in the United States. 5¢.
- 450 T. Relation of maturity and handling of Bartlett pears in the Pacific Northwest to quality of the canned product. 5¢.
- 474 T. Marketing apples. 10¢.
- 493 T. Farm prices of cotton related to its grade and staple length in the United States, seasons 1928-29 to 1932-33. 10¢.
- 525 T. Handling, precooling, and transportation of Florida strawberries. 10¢.
- 545 T. Methods for the measurement of certain character properties of raw cotton. 15¢.
- 554 T. Rapid determination of oil content and oil quality in flaxseed. 10¢.
- 555 T. Marketing onions. 15¢.
- *559 T. Influence of packing and handling methods on condition of apples barreled for export. 5¢.
- 644 T. The chemical determination of soundness in corn. 5¢.
- 646 T. Marketing commercial cabbage. 15¢.
- 662 T. Cotton sold in the seed in the United States. 5¢.
- *699 T. Cotton prices in relation to cotton classification service and to quality improvement. 10¢.
- 712 T. Marketing commercial lettuce. 15¢.
- 730 T. Market quality and condition of California cantaloups as influenced by maturity, handling, and precooling. 15¢.
- 748 T. Rapid determination of soybean oil content and of iodine number of soybean oil. 5¢.
- 755 T. Cotton-price relationships and outlets for American cotton. 5¢.

Unnumbered:

- Handbook for cotton classers. 10¢.
- Handbook of official grain standards of the United States.
- Handbook of official hay standards, including straw standards.
- Make surplus cotton work. 10¢.
- *National forest scaling handbook. 60¢.
- The wholesale fruit and vegetable markets of New York City. 25¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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▲▲ MARKETING: LIVESTOCK AND PRODUCTS

(See also Bureau List: Agricultural Conservation and Adjustment Administration, Agricultural Marketing Administration, and Farm Credit Administration; Department Organization: Laws—Rules—Regulations; and specific animal)

Farmers' Bulletins:

- 1377 F. Marketing poultry. 5¢.
- 1378 F. Marketing eggs. 10¢.
- 1551 F. Marketing farm produce by parcel post. 5¢.
- 1694 F. Dressing and packing turkeys for market. 5¢.
- 1805 F. Grading wool. 5¢.
- 1815 F. Grading dressed turkeys. 5¢.

Leaflets:

- 38 L. Maintaining the health of livestock in transit. 5¢.
- 68 L. Roadside markets. 5¢.
- 92 L. Preparing wool for market. 5¢.
- 122 L. U. S. graded and stamped meat. 5¢.

Circulars:

- *16 C. Some economic aspects of the marketing of milk and cream in New England. 20¢.
- 24 C. United States grades, color standards, and packing requirements for honey. 5¢.
- 28 C. Market classes and grades of calves and vealers. 10¢.
- 103 C. Market classes and grades of dressed veal and calf carcasses. 25¢.
- 288 C. Market classes and grades of pork carcasses and fresh pork cuts. 10¢.
- *352 C. Packaging, curing, and merchandising American Cheddar cheese in cans. 5¢.
- 383 C. Market classes and grades of lambs and sheep. 10¢.
- 469 C. Milk-bottle losses and ways to reduce them. 10¢.
- 505 C. Market classes and grades of feeder and stocker cattle. 5¢.
- 524 C. Determination of slaughter-steer grades from weights and measurements. 5¢.
- 543 C. Two rapid methods for estimating fineness and cross-sectional variability of wool. 5¢.
- 569 C. Market classes and grades of swine. 10¢.
- 583 C. Eggs and egg products. 15¢.
- 590 C. A rapid method for projecting and measuring cross sections of wool fibers. 5¢.

Department Bulletins:

- *972 D. Unit requirements for producing market milk in eastern Nebraska. 5¢.
- 1344 D. Effect of various factors on the creaming ability of market milk.
- 1440 D. Factors affecting the price of hogs. 15¢.
- 1464 D. Market classes and grades of cattle. 15¢.
- 1470 D. Market classes and grades of dressed lamb and mutton. 15¢.

Department Circulars:

- 300 DC. Commercial cuts of meat. 5¢.

Miscellaneous Circulars:

- 57 MC. The tattoo method of marking hogs and its use. 5¢.
- 63 MC. The inspection stamp as a guide to wholesome meat. 5¢.
- 74 MC. Grading up beef cattle at Sni-A-Bar Farms. 10¢.

Miscellaneous Publications:

- 33 MP. Advantages of standards for livestock and meats. 5¢.
- 138 MP. Refrigeration in the handling, processing, and storing of milk and milk products. 10¢.
- 161 MP. Testing milk and cream. 5¢.
- 222 MP. The direct marketing of hogs. 20¢.
- 283 MP. Economic survey of the live-poultry industry in New York City. 15¢.
- 391 MP. Federal beef grading. 5¢.

Technical Bulletins:

- *73 T. Some factors affecting the demand for milk and cream in the metropolitan area of New York. 15¢.
- 124 T. Some factors affecting the marketing of wool in Australia, New Zealand, the Union of South Africa, England, and France. 25¢.

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Technical Bulletins—Continued.

- 243 T. Transporting and handling milk in tanks. 10¢.
- *359 T. Farmers' response to price in hog production and marketing. 5¢.
- 722 T. Production and consumption of manufactured dairy products. 15¢.
- 789 T. Supply responses in milk production in southeastern Minnesota. 10¢.

Yearbook Separates:

- 1686 Y. United States meat inspection. (1939.) 5¢.
- 1687 Y. Supervision and inspection of milk. (1939.) 5¢.

Unnumbered:

- Handbook of official United States standards for individual eggs.
- Handbook of official United States standards for quality of creamery butter.
- How the Government aids the poultry industry.

Posters:

- U. S. grades of slaughter cows. 21 by 33 inches. Colored.
- U. S. grades of slaughter heifers. 21 by 38 inches. Colored.
- U. S. grades of slaughter lambs. 21 by 38 inches. Black and white.
- U. S. grades of slaughter steers. 21 by 33 inches. Black and white.
- U. S. grades of slaughter swine. 21 by 38 inches. Black and white.

Beef Grading Charts:

- No. 1. Beef graded and stamped by U. S. Government graders. (Hind quarter.) 12 by 16 inches. Colored.
- No. 2. Beef graded and stamped by U. S. Government graders. (Fore quarter.) 12 by 16 inches. Colored.
- No. 3. Steaks and roasts from U. S. Government graded beef. 12 by 16 inches. Colored.

Charts:

- *Wholesale and retail cuts of beef, veal, lamb, and fresh pork. 16 by 24 inches. Black and white. Set of 4 charts. Sold in sets only. 50¢ a set.

STATISTICS

(See also Department Organization: Annual Reports and Yearbooks)

Miscellaneous Publications:

- 158 MP. Handbook of poultry and egg statistics. 15¢.
- 282 MP. Sales of cotton for future delivery, 1925-26 to 1935-36. 10¢.

Separates from Agricultural Statistics:

- 1 SAS. Statistics of grains. (1936.)
- *3 SAS. Statistics of fruits and vegetables. (1936.) 10¢.
- 4 SAS. Statistics of miscellaneous crops. (1936.)
- 5 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1936.)
- 6 SAS. Dairy and poultry statistics. (1936.)
- 7 SAS. Foreign trade of the United States in agricultural products. (1936.)
- 8 SAS. Farm business and related statistics. (1936.)
- 9 SAS. Miscellaneous agricultural statistics. (1936.)
- 18 SAS. Farm business and related statistics. (1937.)
- *21 SAS. Statistics of grains. (1938.)
- *23 SAS. Statistics of fruits, vegetables, and tree nuts. (1938.) 15¢.
- *24 SAS. Statistics of miscellaneous crops. (1938.) 10¢.
- *25 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1938.) 10¢.
- *26 SAS. Dairy and poultry statistics. (1938.) 10¢.
- 27 SAS. Foreign trade of the United States in agricultural products. (1938.) 10¢.
- 30 SAS. Approximate or average weights of various commodities and other conversion factors. (1939.)
- 32 SAS. Statistics of cotton, sugar, and tobacco. (1939.)
- 34 SAS. Statistics of miscellaneous crops. (1939.) 10¢.
- *35 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1939.) 10¢.
- *36 SAS. Dairy and poultry statistics. (1939.) 10¢.
- 37 SAS. Foreign trade of the United States in agricultural products. (1939.) 10¢.
- 38 SAS. Farm business and related statistics. (1939.) 10¢.
- 39 SAS. Miscellaneous agricultural statistics. (1939.) 10¢.

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Separates from Agricultural Statistics—Continued.

- 40 SAS. Approximate or average weights of various commodities and other conversion factors. (1940.) 5¢.
- 41 SAS. Statistics of grains. (1940.) 15¢.
- 42 SAS. Statistics of cotton, sugar, and tobacco. (1940.) 10¢.
- 43 SAS. Statistics of fruits, vegetables, and tree nuts. (1940.) 15¢.
- 44 SAS. Statistics of miscellaneous crops. (1940.) 10¢.
- 45 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1940.) 10¢.
- 46 SAS. Dairy and poultry statistics. (1940.) 10¢.
- 47 SAS. Foreign trade of the United States in agricultural products. (1940.) 10¢.
- 48 SAS. Farm business and related statistics. (1940.) 15¢.
- 49 SAS. Miscellaneous agricultural statistics. (1940.) 10¢.
- *51 SAS. Statistics of grains. (1941.) 15¢.
- 52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)
- 53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)
- 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)
- 57 SAS. Foreign trade of the United States in agricultural products. (1941.)
- 58 SAS. Farm business and related statistics. (1941.)

Statistical Bulletins:

- *19 S. Carload shipments of fruits and vegetables from stations in the United States for the calendar years 1924 and 1925. 15¢.
- *22 S. Vegetable statistics: Year ended December 31, 1926, with comparable data for earlier years. 35¢.
- *23 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1924-1926. 25¢.
- *30 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1927 and 1928. 25¢.
- *32 S. Stumpage and log prices for the calendar year 1928. 10¢.
- 34 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1921, to December 31, 1929. 35¢.
- *35 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1928 and 1929. 25¢.
- *36 S. Stumpage and log prices for the calendar year 1929. 15¢.
- *37 S. Stumpage and log prices for the calendar year 1930. 15¢.
- *38 S. Carlot shipments and unloads of important fruits and vegetables for the calendar years 1929 and 1930. 15¢.
- *40 S. Grade, staple length, and tenderability of cotton in the United States, 1928-1929 to 1931-1932. 10¢.
- 41 S. Wheat futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932. 10¢.
- *42 S. Carlot shipments of fruits and vegetables from stations in the United States for the calendar years 1930 and 1931. 10¢.
- 43 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932. 10¢.
- *44 S. Stumpage and log prices for the calendar years 1931 and 1932. 10¢.
- 45 S. Grade and staple length of cotton carried over in the United States as related to the domestic supply, 1928-1929 to 1931-1932. 5¢.
- 46 S. Carlot shipments and unloads of important fruits and vegetables for the calendar years 1931 and 1932. 15¢.
- 47 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1932-33. 10¢.
- 48 S. Cold-storage holdings: Year ended December 31, 1933, with comparable data for earlier years. 5¢.
- *50 S. Carlot shipments of fruits and vegetables from stations in the United States for the calendar years 1932 and 1933. 15¢.
- *51 S. Stumpage and log prices for the calendar year 1934. 10¢.
- 52 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1933-34. 10¢.
- 53 S. Carlot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934. 15¢.
- 54 S. Wheat futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935. 15¢.
- 55 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935. 15¢.
- 56 S. Grade, staple length, and tenderability of cotton in the United States 1928-29 to 1934-35. 10¢.
- *58 S. Annual report on tobacco statistics, 1936. 15¢.
- *59 S. Fats, oils, and oleaginous raw materials—Production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Statistical Bulletins—Continued.

- *60 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1935-36. 10¢.
- *62 S. Stumpage and log prices for the calendar year 1936. 10¢.
- 63 S. Annual report on tobacco statistics, 1937. 15¢.
- *64 S. Statistics of forest products in the Rocky Mountain States. 10¢.
- 65 S. Forest products statistics of the Pacific Coast States.
- *66 S. Stumpage and log prices for the calendar year 1937. 15¢.
- 67 S. Annual report on tobacco statistics, 1938. 15¢.
- 68 S. Forest products statistics of the Lakes States. 10¢.
- 69 S. Forest products statistics of the Southern States. 15¢.
- 70 S. Forest products statistics of the Northeastern States. 15¢.
- 71 S. Stumpage and log prices for the calendar year 1938. 10¢.
- 72 S. Wheat futures: Volume of trading, open contracts and prices from January 2, 1936 to December 31, 1938. 15¢.
- 73 S. Forest products statistics of the Central and Prairie States. 15¢.
- 74 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1936, to December 30, 1939. 15¢.
- 75 S. Stumpage and log prices for the calendar year 1939. 10¢.

Technical Bulletins:

- *446 T. Yields of barley in the United States and Canada, 192-1931. 10¢.
- 587 T. Consumption and production of tobacco in Europe. 15¢.
- 626 T. Stumpage prices of privately owned timber in the United States. 20¢.
- 703 T. Gross farm income and indices of farm production and prices in the United States, 1869-1937. 20¢.
- 722 T. Production and consumption of manufactured dairy products. 15¢.

Yearbook Separates:

- *932 Y. Statistics of grains. (1927.) 15¢.
- *933 Y. Statistics of fruits and vegetables. (1927.) 10¢.
- *1029 Y. Statistics of farm animals and animal products. (1928.) 10¢.
- *1102 Y. Prices of farm products graphically presented. (1930.) 5¢.
- *1103 Y. Statistics of grains. (1930.) 10¢.
- *1104 Y. Statistics of cotton, sugar, and tobacco. (1930.) 5¢.
- *1105 Y. Statistics of fruits and vegetables. (1930.) 5¢.
- *1106 Y. Statistics of miscellaneous crops. (1930.) 10¢.
- *1108 Y. Dairy and poultry statistics. (1930.) 10¢.
- *1109 Y. Foreign trade of the United States in agricultural products. (1930.) 10¢.
- *1110 Y. Miscellaneous agricultural statistics. (1930.) 15¢.
- *1148 Y. Statistics of grains. (1931.) 15¢.
- *1149 Y. Statistics of cotton, sugar, and tobacco. (1931.) 10¢.
- *1150 Y. Statistics of fruits and vegetables. (1931.) 15¢.
- *1151 Y. Statistics of miscellaneous crops. (1931.) 10¢.
- *1152 Y. Statistics of cattle, hogs, sheep, horses, mules, asses, and honey. (1931.) 15¢.
- *1153 Y. Dairy and poultry statistics. (1931.) 10¢.
- *1154 Y. Foreign trade of the United States in agricultural products. (1931.) 10¢.
- *1155 Y. Farm business and related statistics. (1931.) 10¢.
- *1156 Y. Miscellaneous agricultural statistics. (1931.) 10¢.
- *1256 Y. Miscellaneous agricultural statistics. (1932.) 5¢.
- *1257 Y. Farm business and related statistics. (1932.) 5¢.
- *1258 Y. Miscellaneous agricultural statistics dealing with temperature, precipitation, and frost. (1932.) 5¢.
- *1409 Y. Statistics of miscellaneous crops. (1934.) 5¢.
- *1478 Y. Statistics of grains. (1935.) 10¢.
- *1481 Y. Statistics of miscellaneous crops. (1935.) 5¢.
- *1484 Y. Foreign trade of the United States in agricultural products. (1935.) 5¢.
- *1486 Y. Miscellaneous agricultural statistics. (1935.) 5¢.

Unnumbered:

- Handbook of dairy statistics, 1928.
- *Agricultural statistics, 1936. (Paper cover.) 50¢.
- *Agricultural statistics, 1937. (Paper cover.) 50¢.
- *Agricultural statistics, 1941. (Paper cover.) 75¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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▲▲ STORAGE

Farmers' Bulletins:

- 847 F. ▲ Potato storage and storage houses. 5¢.
- 879 F. ▲ Home storage of vegetables. 5¢.
- 1078 F. ▲ Harvesting and storing ice on the farm. 5¢.
- 1160 F. Diseases of apples in storage. 5¢.
- 1442 F. ▲ Storage of sweetpotatoes. 5¢.
- 1636 F. ▲ Farm bulk storage of small grains. 5¢.

Circulars:

- 73 C. The cold storage of eggs and poultry. 10¢.
- *207 C. Deterioration of Christmas holly in transit and storage. 10¢.
- 278 C. The commercial storage of fruits, vegetables, and florists' stocks. 10¢.
- 371 C. Development of phoma rot of tomatoes in transit and in storage. 5¢.
- 435 C. Tobacco shrinkages and losses in weight in handling and storage. 10¢.
- 447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks. 5¢.
- 544 C. Methods of ventilating wheat in farm storages. 15¢.
- 553 C. Handling and storing small lots of dates at home. 5¢.
- 587 C. Temperatures of wheat in experimental farm-type storages. 10¢.
- 600 C. Mortality of the apple maggot in fruit held in cold storage. 5¢.
- 613 C. Studies on the respiration of strawberry and raspberry fruits. 5¢.
- 618 C. Storage quality of the principal American varieties of onions. 10¢.

Department Bulletins:

- *510 D. Timber storage conditions in the Eastern and Southern States with reference to decay problems. 25¢.
- *1398 D. Comparative efficiency of wire-basket bunkers in refrigerator cars. 5¢.
- 1406 D. The ripening, storage, and handling of apples. 20¢.

Miscellaneous Publications:

- 138 MP. Refrigeration in the handling, processing, and storing of milk and milk products. 10¢.

Statistical Bulletins:

- 48 S. Cold-storage holdings: Year ended December 31, 1933, with comparable data for earlier years. 5¢.

Technical Bulletins:

- *100 T. Respiration of sorghum grains. 5¢.
- *193 T. Experiments on the processing and storing of Deglet Noor dates in California. 15¢.
- 268 T. Effect of various temperatures on the storage and ripening of tomatoes. 15¢.
- *370 T. Bruising and freezing of apples in storage and transit. 15¢.
- *449 T. Storage of mill cane. 5¢.
- *505 T. Refrigeration of oranges in transit from California. 15¢.
- *590 T. Certain chemical and physical changes produced in Kieffer pears during ripening and storage. 10¢.
- 606 T. Factors influencing the quality of American grapes in storage. 5¢.
- 613 T. Market storage studies of Honey Dew melons and cantaloupes. 10¢.
- *615 T. Studies of potato storage houses in Maine. 10¢.
- 631 T. The storage of sweet cherries as influenced by carbon dioxide and volatile fungicides. 5¢.
- 680 T. Effect of storage temperatures on peaches. 5¢.
- 731 T. Comparative studies of varietal suitability for freezing preservation of peas, green or snap beans, lima beans, and sweet corn grown under eastern conditions. 10¢.
- 768 T. Quality of frozen poultry as affected by storage and other conditions. 5¢.
- 770 T. Investigations on the storage of nuts. 1941. 10¢.
- 771 T. Calorimetric measurements of the heat of respiration of fruits and vegetables. 5¢.
- 776 T. A comparative study of storage at 32° and 36° F. of apples grown in the Potomac River Valley. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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▲▲ TRANSPORTATION

Farmers' Bulletins:

- 1551 F. Marketing farm produce by parcel post. 5¢.

Leaflets:

- 38 L. Maintaining the health of livestock in transit. 5¢.

Circulars:

- *207 C. Deterioration of Christmas holly in transit and storage. 10¢.
 *245 C. Spoilage of tomatoes in transit, as shown by inspection certificates, 1922 to 1930. 5¢.
 *291 C. Freezing of greenhouse-grown tomatoes in transit. 15¢.
 371 C. Development of phoma rot of tomatoes in transit and in storage. 5¢.
 511 C. Control of black rot of pineapples in transit. 5¢.
 515 C. Handling and shipping strawberries without refrigeration. 5¢.
 574 C. Studies on the "raising" of Alexandria (Muscat) grapes in transit. 5¢.

Department Bulletins:

- *764 D. Factors influencing the carrying qualities of American export corn. 20¢.
 *1398 D. Comparative efficiency of wire-basket bunkers in refrigerator cars. 5¢.
 *1411 D. Expense factors in city distribution of perishables. 5¢.

Technical Bulletins:

- 243 T. Transporting and handling milk in tanks. 10¢.
 272 T. The marketing and distribution of fruits and vegetables by motor truck. 20¢.
 *370 T. Bruising and freezing of apples in storage and transit. 15¢.
 434 T. Refrigerated transportation of Bartlett pears from the Pacific Northwest. 5¢.
 *505 T. Refrigeration of oranges in transit from California. 15¢.
 525 T. Handling, precooling, and transportation of Florida strawberries. 10¢.
 *550 T. Protection of apples and pears in transit from the Pacific Northwest during the winter months. 10¢.
 627 T. Body icing in transit refrigeration of vegetables. 10¢.
 *668 T. Bruising, freezing, and chemical injury of potatoes in transit. 5¢.

Yearbook Separates:

- 1757 Y. The transportation problem of agriculture. (1940.) 5¢.

▲▲ OILS AND FUELS

(Includes production of oil bearing plants. *See also* Forestry and specific animal or crop)

Farmers' Bulletins:

- 1249 F. ▲ Olive growing in the southwestern United States. 5¢.
 1520 F. ▲ Soybeans: Culture and varieties. 10¢.
 1555 F. Peppermint and spearmint as farm crops. 5¢.
 1605 F. Soybean hay and seed production. 5¢.
 1617 F. Soybean utilization. 5¢.
 1656 F. ▲ Peanut growing. 5¢.
 1714 F. Corn culture. 5¢.
 1747 F. ▲ Flaxseed production in the North Central States. 5¢.
 1793 F. ▲ Flaxseed production in the far western States. 5¢.

Leaflets:

- 167 L. ▲ Facts about cotton. 5¢.
 204 L. Fats and oils for cooking and table use. 5¢.

BAE-Ext Fliers:

- 3 BAE-Ext. ▲ Peanut oil and the War.

Circulars:

- 366 C. Safflower, a possible new oil-seed crop for the northern Great Plains and the far western States. 5¢.

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Miscellaneous Publications:

- 140 MP. Protein tests for wheat and oil tests for flaxseed and soybeans. 10¢.
 *203 MP. Cotton and cottonseed: A list of the publications of the United States Department of Agriculture on these subjects including early reports of the United States Patent Office. 15¢.
 327 MP. ▲ Motor fuels from farm products.* 15¢.
 416 MP. Marketing peanuts and peanut products. 20¢.
 441 MP. Cottonseed: Official grading and market news. 5¢.

Separates from Agricultural Statistics:

- 41 SAS. Statistics of grains. (1940.) 15¢.
 42 SAS. Statistics of cotton, sugar, and tobacco. (1940.) 10¢.
 43 SAS. Statistics of fruits, vegetables, and tree nuts. (1940.) 15¢.
 44 SAS. Statistics of miscellaneous crops. (1940.) 10¢.
 45 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1940.) 10¢.
 46 SAS. Dairy and poultry statistics. (1940.) 10¢.
 47 SAS. Foreign trade of the United States in agricultural products. (1940.) 10¢.
 49 SAS. Miscellaneous agricultural statistics. (1940.) 10¢.
 *51 SAS. Statistics of grains. (1941.) 15¢.
 53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)
 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)
 57 SAS. Foreign trade of the United States in agricultural products. (1941.)

Statistical Bulletins:

- *59 S. Fats, oils, and oleaginous raw materials—production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years. 10¢.

Technical Bulletins:

- 16 T. Methods of extracting volatile oils from plant material and the production of such oils in the United States. 10¢.
 *111 T. Fish oil as an adhesive in lead arsenate sprays. 10¢.
 554 T. Rapid determination of oil content and oil quality in flaxseed. 10¢.
 619 T. Soybeans in the United States: Recent trends and present economic status. 5¢.
 725 T. Nutritive properties of certain animal and vegetable fats. 5¢.
 737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-39. 5¢.
 748 T. Rapid determination of soybean oil content and of iodine number of soybean oil. 5¢.
 821 T. Nutritive properties of lard and other shortenings. 5¢.

Yearbook Separates:

- 1749 Y. The industrial market for farm products. (1940.) 5¢.

▲▲ PLANT INDUSTRIES**▲▲ CROP CULTURE—GENERAL**

(See also Seeds; Weeds; and specific crop)

Farmers' Bulletins:

- 578 F. The making and feeding of silage. 10¢.
 *614 F. A Corn-Belt farming system which saves harvest labor by hogging down crops. 5¢.
 *981 F. Farm practices that increase crop yields in Kentucky and Tennessee. 5¢.
 *986 F. Farm practices that increase crop yields in the Gulf Coast region. 5¢.
 *1000 F. Crop systems for Arkansas. 5¢.
 1045 F. Laying out fields for tractor plowing. 10¢.
 1318 F. Greenhouse construction and heating. 5¢.
 1588 F. Frost and the prevention of frost damage. 10¢.
 1629 F. Steam sterilization of soil for tobacco and other crops. 5¢.
 *1663 F. Winter legumes for green manure in the Cotton Belt. 5¢.
 1673 F. The farm garden. 10¢.
 1743 F. Hotbeds and coldframes. 5¢.
 1750 F. Summer crops for green manure and soil improvement. 5¢.
 1758 F. Cover crops for soil conservation. 5¢.
 1761 F. Harvesting with combines. 5¢.
 1771 F. Preventing soil blowing on the southern Great Plains. 5¢.
 1776 F. Strip cropping for soil conservation. 5¢.
 1784 F. Nitrogen-fixing bacteria and legumes. 5¢.

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Leaflets:

- 165 L. Soil-depleting, soil-conserving and soil-building crops. 5¢.
 188 L. Mulching to establish vegetation on eroded areas of the Southeast. 5¢.

Circulars:

- *188 C. Irrigated crop rotations in western South Dakota. 10¢.
 *213 C. Summer fallow at Ardmore, S. Dak. 5¢.
 *285 C. Portable refrigeration chambers for studying cold resistance of plants in the field. 5¢.
 404 C. The choice of crops for saline land. 5¢.
 *409 C. The effect of thallium on plant growth. 5¢.
 412 C. Groups of plants valuable for wildlife utilization and erosion control. 5¢.
 470 C. Performance characteristics of 5- and 6-foot combines. 10¢.
 497 C. Composition of the rhizome, stem, and leaf of some horticultural forms of canna in relation to their possible use. 5¢.
 554 C. Honey and pollen plants of the United States. 10¢.
 559 C. Review and discussion of literature pertinent to crop rotations for erodible soils. 10¢.

Department Bulletins:

- *135 D. Experiments in the production of crops on alkali land on the Huntley reclamation project, Montana. 5¢.
 *917 D. Farm practice in growing field crops in three sugar-beet districts of Colorado. 20¢.
 *1152 D. Soy and related fermentations. 15¢.
 *1203 D. Experimental production of straw gas. 5¢.
 *1269 D. Relation of land tenure to plantation organization. 15¢.
 *1293 D. Tillage and rotation experiments at Dickinson, Hettinger, and Williston, N. Dak. 5¢.

Department Circulars:

- *310 DC. The solar propagating frame for rooting citrus and other subtropical plants. 5¢.

Miscellaneous Publications:

- *110 MP. Glossary of botanical terms commonly used in range research. 15¢.
 171 MP. The crop and livestock reporting service of the United States. 15¢.
 *189 MP. Synopsis of Federal plant quarantines affecting interstate shipments in effect January 1, 1934. 10¢.
 194 MP. A pasture handbook. 10¢.
 *200 MP. Manual of the grasses of the United States. \$1.75.
 *237 MP. Food plants of the North American Indians. 10¢.
 253 MP. Conservation farming practices and flood control. 10¢.
 267 MP. A graphic summary of farm crops. (Based largely on the Census of 1930 and 1935.) 15¢.
 327 MP. Motor fuels from farm products. 15¢.
 406 MP. Plants reported resistant or tolerant to root-knot nematode infestation. 15¢.

Technical Bulletins:

- 16 T. Methods of extracting volatile oils from plant material and the production of such oils in the United States. 10¢.
 *102 T. Types of farming in North Dakota. 15¢.
 287 T. Farm-management problems in shifting from sack to bulk handling of grain in the Pacific Northwest. 15¢.
 299 T. Repellency to the Japanese beetle of extracts made from plants immune to attack. 5¢.
 *311 T. Adequacy and reliability of crop-yield estimates. 10¢.
 *330 T. Rotation and tillage experiments at the Lawton (Okla.) Field Station, 1917-1930. 5¢.
 490 T. Explosibility of agricultural and other dusts as indicated by maximum pressure and rates of pressure rise. 5¢.
 *512 T. Irrigated crop rotations in western Nebraska, 1912-34. 5¢.
 536 T. Crop rotation and tillage experiments at the Northern Great Plains Field Station, Mandan, N. Dak. 10¢.
 *571 T. Irrigated crop rotations at the Huntley (Mont.) Field Station, 1912-35. 10¢.
 *648 T. Comparative susceptibility of crop plants to sodium chlorate injury. 10¢.
 713 T. Types of vegetation in Escalante Valley, Utah, as indicators of soil conditions. 30¢.
 *727 T. Further observations on the response of various species of plants to length of day. 20¢.
 732 T. Arsenic distribution in soils and its presence in certain plants. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Yearbooks:

- *1936 YB. Better plants and animals—I. \$1.25.
 *1937 YB. Better plants and animals—II. \$2.00.

Yearbook Separates:

- *1555 Y. Introduction to 1936 Yearbook of Agriculture. (Genetics.) 15¢.
 *1567 Y. Better plants and animals. (1936.) 5¢.
 1642 Y. Strip cropping. (1938.) 5¢.
 *1651 Y. The soil requirements of economic plants. (1938.) 10¢.
 *1652 Y. Some relationships of soil to plant and animal nutrition: The major elements. (1938.) 10¢.
 1653 Y. Neglected soil constituents that affect plant and animal development. (1938.) 10¢.
 1801 Y. Effects of climatic factors on growing plants. (1941.) 5¢.

Unnumbered:

- *Range plant handbook. \$3.00.

Diseases: Crops—General

(See also specific crop)

Farmers' Bulletins:

- 1371 F. Diseases and insects of garden vegetables. 10¢.

Miscellaneous Publications:

- 406 MP. Plants reported resistant or tolerant to root knot nematode infestation. 15¢.

Technical Bulletins:

- 313 T. Studies on physiologic specialization in *Puccinia trititica*. 10¢.

Yearbook Separates:

- 1813 Y. Climate and plant diseases. (1941.) 5¢.

Insects and Other Pests: Crops—General

(See also specific crop)

Farmers' Bulletins:

- 1371 F. Diseases and insects of garden vegetables. 10¢.
 1397 F. Mouse control in field and orchard. 5¢.
 1472 F. Preventing damage by termites or white ants. 5¢.
 1561 F. The Porto Rican mole cricket. 5¢.
 1566 F. The sorghum midge, with suggestions for control. 5¢.
 1627 F. The hessian fly and how losses from it can be avoided. 5¢.
 1668 F. The red harvester ant and how to subdue it. 5¢.
 1798 F. Control of common white grubs in cereal and forage crops. 5¢.
 1828 F. Grasshoppers and their control. 10¢.
 1856 F. The Japanese beetle and its control. 5¢.
 1866 F. Wireworms and their control on irrigated lands. 10¢.

Leaflets:

- 212 L. The sand wireworm. 5¢.

Circulars:

- *227 C. Reactions of the Japanese beetle to spray deposits on foliage. 5¢.
 237 C. Control of the Japanese beetle on fruit and shade trees. 5¢.
 *244 C. Movements of the beet leaf hopper in 1930 in southern Idaho. 5¢.
 246 C. Life history and control of the Asiatic garden beetle. 5¢.
 *301 C. The cyclamen mite and the broad mite and their control. 5¢.
 332 C. General information about the Japanese beetle in the United States. 5¢.
 334 C. Characters useful in distinguishing larvae of *Popillia japonica* and other introduced Scarabaeidae from native species. 5¢.
 *369 C. Industrial fumigation against insects. 10¢.
 *373 C. Fumigation of fresh fruit to destroy the adult Japanese beetle. 5¢.
 *376 C. New equipment for obtaining host material for the mass production of *Trichogramma minutum*, an egg parasite of various insect pests. 5¢.

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Circulars—Continued.

- 387 C. Distribution of the Argentine ant in the United States and suggestions for its control or eradication. 5¢.
- 401 C. Control of the Japanese beetle and its grub in home yards. 5¢.
- 403 C. Preventing injury from Japanese and Asiatic beetle larvae to turf in parks and other large areas. 5¢.
- *407 C. Plowing as a means of destroying wireworm pupae in the Pacific Northwest. 5¢.
- *408 C. Wireworm infestation trends accompanying certain crop rotations in the Pacific Northwest. 5¢.
- *409 C. The effect of thallium on plant growth. 5¢.
- 416 C. Land improvement measures in relation to a possible control of the beet leaf-hopper and curly top. 5¢.
- 494 C. The Texas leaf-cutting ant and its control. 5¢.
- 547 C. Feeding habits of the adult Japanese beetle. 5¢.
- 575 C. Control of the Mormon cricket by the use of poisoned bait. 5¢.
- 594 C. The use of traps against the Japanese beetle. 5¢.

Department Bulletins:

- *779 D. The grain bug. 5¢.
- *1008 D. Rate of multiplication of the hessian fly. 5¢.
- *1076 D. Biology of the lotus borer (*Pyrausta penitalis* Grote). 5¢.
- *1429 D. The parasites of *Popillia japonica* in Japan and Chosen (Korea) and their introduction into the United States. 15¢.

Technical Bulletins:

- *77 T. The host plants of the European corn borer in New England. 30¢.
- *81 T. The hessian fly in California. 5¢.
- *86 T. Imported insect enemies of the gypsy moth and the brown-tail moth. 50¢.
- *89 T. Biology of the European red mite in the Pacific Northwest. 15¢.
- *95 T. The meal worms. 10¢.
- *190 T. A study of the lesser migratory grasshopper. 10¢.
- *198 T. Relative insecticidal value of commercial grades of pyrethrum. 5¢.
- *255 T. Life history of the codling moth in the Rogue River Valley of Oregon. 10¢.
- 274 T. Hot water as an insecticide for the Japanese beetle in soil and its effect on the roots of nursery plants. 15¢.
- 299 T. Repellence to the Japanese beetle of extracts made from plants immune to attack. 5¢.
- 308 T. Biology of some Japanese and Chosenese grub parasites (Scolitidae). 10¢.
- 325 T. Biology and control of the black vine weevil. 5¢.
- *361 T. The hessian fly in the Pacific Northwest. 5¢.
- *366 T. Further investigations of the parasites of *Popillia japonica* in the Far East. 5¢.
- *427 T. The use of naphthalene against the Japanese beetle. 5¢.
- 659 T. The sand wireworm and its control in the South Carolina Coastal Plain. 10¢.
- 744 T. Life history of the sugar-beet wireworm in southern California. 15¢.
- 766 T. The European earwig. 15¢.

Picture Sheets:

- No. 4. The Japanese beetle. 5¾ by 9¼ inches. Colored. 5¢.
- No. 12. Fall armyworm. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Crops—General

(See also Bureau List: Agricultural Conservation and Adjustment Administration, Agricultural Marketing Administration, and Farm Credit Administration; and Department Organization: Laws—Rules—Regulations; Marketing Research; and specific crop)

Farmers' Bulletins:

- *1232 F. Seed marketing hints for the farmer. 5¢.
- 1551 F. Marketing farm produce by parcel post. 5¢.

Leaflets:

- 68 L. Roadside markets. 5¢.
- 73 L. Is the public market a good civic investment? 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Circulars:

- *8 C. National standards for farm products. 5¢.

Miscellaneous Publications:

- 267 MP. A graphic summary of farm crops. (Based largely on the Census of 1930 and 1935.) 15¢.

Separates from Agricultural Statistics:

- 4 SAS. Statistics of miscellaneous crops. (1936.)
 *34 SAS. Statistics of miscellaneous crops. (1939.) 10¢.
 44 SAS. Statistics of miscellaneous crops. (1940.) 10¢.

Statistical Bulletins:

- *59 S. Fats, oils, and oleaginous raw materials—Production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years. 10¢.

Technical Bulletins:

- 737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-39. 5¢.

Yearbook Separates:

- *1106 Y. Statistics of miscellaneous crops. (1930.) 10¢.
 *1147 Y. Crop and livestock production trends. (1931.) 10¢.
 *1151 Y. Statistics of miscellaneous crops. (1931.) 10¢.
 *1481 Y. Statistics of miscellaneous crops. (1935.) 5¢.

▲▲†DRUG AND RELATED PLANTS**Farmers' Bulletins:**

- 613 F. Goldenseal under cultivation. 5¢.
 663 F. ▲Drug plants under cultivation. 5¢.
 1184 F. Ginseng culture. 5¢.
 1231 F. Drying crude drugs. 5¢.
 1555 F. Peppermint and spearmint as farm crops. 5¢.
 1842 F. Production of hops. 10¢.

Circulars:

- *46 C. Methods of collecting and preserving pollen for use in the treatment of hay-fever. 5¢.
 366 C. Safflower, a possible new oil-seed crop for the northern Great Plains and the far Western States. 5¢.
 581 C. Harvesting pyrethrum. 5¢.

Department Bulletins:

- 706 D. American sumac: A valuable tanning material and dye-stuff. 5¢.

Miscellaneous Publications:

- 77 MP. ▲American medicinal plants of commercial importance. 30¢.

Technical Bulletins:

- 16 T. Methods of extracting volatile oils from plant material and the production of such oils in the United States. 10¢.
 554 T. Rapid determination of oil content and oil quality in flaxseed. 10¢.
 566 T. Western hemlock bark an important potential tanning material. 10¢.
 595 T. Studies on the possibilities of devil's shoestring (*Tephrosia virginiana*) and other native species of *Tephrosia* as commercial sources of insecticides. 10¢.

Yearbook Separates:

- 1598 Y. Varietal improvement in hops. (1937.) 5¢.

- Diseases: Drug and Related Plants**Farmers' Bulletins:**

- *736 F. Ginseng diseases and their control. 5¢.

Yearbook Separates:

- *1505 Y. Downy mildew of hops causing serious damage: Control studies under way. (1935.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

†For information on production of drug plants for wartime use, write to the Division of Drug and Related Plants, Bureau of Plant Industry, Agricultural Research Administration, United States Department of Agriculture, Beltsville, Md.

United States Department of Agriculture.

Insects and Other Pests: Drug and Related Plants

Circulars:

- *365 C. The camphor scale. 5¢.

Department Bulletins:

- *1225 D. The camphor thrips. 10¢.

DRY-LAND FARMING

(See also Crop Culture—General)

Farmers' Bulletins:

- *1047 F. Dry farming for better wheat yields. 5¢.
 1126 F. Sudan grass. 5¢.
 1162 F. Proso or hog millet. 5¢.
 *1511 F. Forage crops and their culture in northern Nebraska and the Dakotas. 5¢.
 *1545 F. Dry-farming methods and practices in wheat growing in Columbia and Snake River Basins. 5¢.
 *1577 F. Harvesting grain sorghums. 5¢.
 1611 F. Oats in the western half of the United States. 5¢.
 1631 F. Broomcorn growing and handling. 5¢.
 1771 F. Preventing soil blowing on the southern Great Plains. 5¢.
 1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains. 5¢.

Circulars:

- *4 C. Settlers' progress in dry-land farming in eastern New Mexico. 10¢.
 *184 C. Methods of crop production at the Colby (Kans.) Branch Experiment Station, 1915-1929. 5¢.
 *202 C. Agronomic work at the Big Spring (Tex.) Field Station, 1915-29. 5¢.
 *213 C. Summer fallow at Ardmore, S. Dak. 5¢.
 *402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
 *421 C. Results of field crop, shelterbelt, and orchard investigations at the United States Dry Land Field Station, Ardmore, S. Dak., 1911-32. 10¢.
 *477 C. Winter wheat and sorghum production in the southern Great Plains under limited rainfall. 10¢.
 563 C. Relation of the depth to which the soil is wet at seeding time to the yield of spring wheat on the Great Plains. 5¢.
 564 C. Dry land crops at the Dalhart (Texas) Field Station. 15¢.

Department Bulletins:

- *1139 D. Storage of water in soil and its utilization by spring wheat. 5¢.
 *1244 D. Forage crops in relation to the agriculture of the semiarid portion of the northern Great Plains. 10¢.
 *1293 D. Tillage and rotation experiments at Dickinson, Hettinger, and Williston, N. Dak. 5¢.
 *1315 D. Dry farming in southeastern Wyoming. 5¢.
 *1427 D. Dry land gardening at northern Great Plains Field Station, Mandan, N. Dak. 5¢.
 *1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10¢.

Technical Bulletins:

- *51 T. Broomcorn experiments at United States Dry-Land Field Station, Woodward, Okla., 1928. 10¢.
 *307 T. Crested wheatgrass as compared with brome grass, slender wheatgrass, and other hay and pasture crops for the northern Great Plains. 5¢.
 *329 T. Experiments in wheat production on the dry lands of Oregon, Washington, and Utah. 10¢.
 *330 T. Rotation and tillage experiments at the Lawton (Okla.) Field Station. 5¢.
 *353 T. Agricultural investigations at the Huntley (Mont.) Field Station, 1927-30. 10¢.
 454 T. Agricultural investigations at the Belle Fourche (S. Dak.) Field Station, 1926-32. 5¢.
 502 T. The chemical and physical properties of dry-land soils and their colloids. 10¢.
 536 T. Crop rotation and tillage experiments at the Northern Great Plains Field Station, Mandan, N. Dak. 10¢.

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Technical Bulletins—Continued.

- 556 T. Soil conservation reconnaissance survey of the southern Great Plains wind-erosion area. 25¢.
- *571 T. Irrigated crop rotations at the Huntley (Mont.) Field Station, 1912-35. 10¢.
- 589 T. Sources of moisture for precipitation in the United States. 10¢.
- 617 T. Conservation and use of soil moisture at Mandan, N. Dak. 10¢.
- 636 T. Correlations between annual precipitation and the yield of spring wheat in the Great Plains. 5¢.

Yearbook Separates:

- *1645 Y. Special dry-farming problems. (1938.) 5¢.

▲▲ FIBER CROPS**▲▲ COTTON****Farmers' Bulletins:**

- 1384 F. Community cotton production. 5¢.
- 1661 F. Farm study of the cotton plant. 5¢.
- 1686 F. Common errors in cotton production. 5¢.
- 1748 F. Ginning cotton. 5¢.
- 1802 F. Modernizing cotton gins. 10¢.

Leaflets:

- 151 L. Effects of feeds and saw speeds on cotton turn-out and quality. 5¢.
- 167 L. Facts about cotton. 5¢.
- 169 L. Preventing gin damage to cotton. 5¢.
- 181 L. Drying seed cotton. 5¢.
- 198 L. Cottonseed treatment. 5¢.
- 211 L. Cotton from boll to bale. 5¢.

Circulars:

- *78 C. Condition of farmers in a white-farmer area of the cotton piedmont, 1924-1926. 10¢.
- *192 C. Progress report on mechanical application of fertilizers to cotton in South Carolina, 1930. 10¢.
- *258 C. Farmer opinions and other factors influencing cotton production and acreage adjustments in the South. 5¢.
- *264 C. Mechanical application of fertilizers to cotton in South Carolina, 1931. 5¢.
- 393 C. Care and maintenance of cotton-gin saws and ribs. 5¢.
- *413 C. An improved method for converting an observed skein strength of cotton yarn to the strength of a specified yarn count. 5¢.
- 467 C. Care and repair of cotton-gin brushes. 5¢.
- 510 C. Air-blast gin performance and maintenance. 5¢.
- 540 C. Cotton-tillage studies on Red Bay sandy loam. 10¢.
- 550 C. S X P Cotton in comparison with Pima.
- 601 C. Reducing power waste in operating cotton gins. 5¢.
- 621 C. A practical seed-cotton moisture tester for use at gins. 10¢.

Department Bulletins:

- *801 D. Construction and fire protection of cotton warehouses. 50¢.

Miscellaneous Publications:

- 126 MP. Fertilizers for cotton soils. 5¢.
- 175 MP. Cotton bags as consumer packages for farm products. 5¢.
- *203 MP. Cotton and cottonseed: A list of the publications of the United States Department of Agriculture on these subjects, including early reports of the United States Patent Office. 15¢.
- 239 MP. The vertical drier for seed cotton. 10¢.
- 242 MP. Development and use of standards for grade, color, and character of American cotton linters. 5¢.
- 314 MP. Overhead cleaner-drying systems for seed cotton. 5¢.
- 385 MP. Sources of heat for cotton drying. 5¢.
- *427 MP. Questions and answers on the cotton mattress program. 5¢.
- 445 MP. The work of the United States Cotton Ginning Laboratory. 10¢.

Technical Bulletins:

- *91 T. Leaf temperatures of cotton and their relation to transpiration, varietal differences, and yields. 10¢.

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Technical Bulletins—Continued.

- *302 T. Cotton improvement through type selection, with special reference to the Acala variety. 30¢.
- *369 T. Pima Egyptian cotton in irrigated rotations at the Yuma Field Station, Bard, Calif. 5¢.
- *392 T. Effects of stress conditions on the cotton plant in Arizona. 5¢.
- 451 T. Cotton production in Egypt. 5¢.
- 452 T. Experiments with nitrogen fertilizers on cotton soils. 5¢.
- *503 T. Effects of gin-saw speed and seed-roll density on quality of cotton lint and operation of gin stands. 10¢.
- *508 T. Effect of artificially drying seed cotton before ginning on certain quality elements of the lint and seed and on the operation of the gin stand. 10¢.
- *509 T. Positions of seeds and motes in locks and lengths of cotton fibers from bolls borne at different positions on plants at Greenville, Texas. 5¢.
- 545 T. Methods for the measurement of certain character properties of raw cotton. 15¢.
- *645 T. Manufacturing and serviceability tests on sheetings made from two selected mill types of cotton. 10¢.
- 663 T. Effect of cleaning seed cotton on lint quality and ginning efficiency. 20¢.
- 710 T. Differential growth rates in cotton varieties and their response to seasonal conditions at Greenville, Tex. 10¢.
- 734 T. Anatomical structure of the cottonseed coat as related to problems of germination. 5¢.

Yearbook Separates:

- *1358 Y. Multiplicity of varieties handicaps improvement in the American cotton crop. (1933.) 5¢.
- *1359 Y. Live-at-home plans and soil building aid cotton growers. (1933.) 5¢.
- *1361 Y. One-variety community plan shows numerous practical advantages. (1933.) 5¢.
- *1558 Y. Fiber crops. (Genetics.) (1936.) 15¢.
- 1578 Y. Plant breeding and the cotton industry. (1936.) 10¢.
- 1805 Y. Climate and cotton. (1941.) 5¢.

Diseases: Cotton**Farmers' Bulletins:**

- 1745 F. Cotton diseases and methods of control. 5¢.

Technical Bulletins:

- *277 T. The shedding of 4-lock and 5-lock bolls in upland cotton. 5¢.
- *426 T. The relation of fertilizers to the control of cotton root rot in Texas. 10¢.
- 436 T. Cotton root rot as affected by crop rotation and tillage at San Antonio, Tex. 10¢.
- *515 T. The effect of crazy top disorder on cotton plants and its control by irrigation management. 10¢.

Insects and Other Pests: Cotton*(See also Puerto Rico)***Farmers' Bulletins:**

- 831 F. The red spider on cotton and how to control it. 5¢.
- 1688 F. Insect enemies of the cotton plant. 5¢.
- 1729 F. Machinery for dusting cotton. 5¢.
- 1828 F. Grasshoppers and their control. 10¢.

Leaflets:

- 212 L. The sand wireworm. 5¢.

Circulars:

- *75 C. The true cricket: A serious cotton pest in California. 5¢.

Department Bulletins:

- *344 D. Studies on the biology of the Arizona wild cotton weevil. 5¢.

Technical Bulletins:

- *4 T. *Lygus elisus*: A pest of the cotton regions in Arizona and California. 5¢.
- *19 T. Parasites of the pink bollworm in Hawaii. 5¢.

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Technical Bulletins—Continued.

- 296 T. Feeding punctures of mirids and other plant-sucking insects and their effect on cotton. 5¢.
 *486 T. Cotton boll weevil survival and emergence in hibernation cages in Louisiana. 5¢.
 *487 T. Boll weevil control with calcium arsenate on field plots in Madison Parish, La., from 1920 to 1934. 5¢.
 623 T. Fumigation of baled cotton with hydrocyanic acid for the pink bollworm. 10¢.
 642 T. The field cricket in relation to the cotton plant in Louisiana. 10¢.
 659 T. The sand wireworm and its control in the South Carolina Coastal Plain. 10¢.

Picture Sheets:

- No. 12. Fall armyworm. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Cotton and Cotton Products

(See also Bureau List: Agricultural Marketing Administration and Agricultural Research Administration.)

Circulars:

- *144 C. Farmers' experiences and opinions as factors influencing their cotton-marketing methods. 10¢.
 *413 C. An improved method for converting an observed skein strength of cotton yarn to the strength of a specified yarn count. 5¢.

Miscellaneous Publications:

- 242 MP. Development and use of standards for grade, color, and character of American cotton linters. 5¢.
 282 MP. Sales of cotton for future delivery, 1925-26 to 1935-36. 10¢.
 310 MP. The classification of cotton. 10¢.
 441 MP. Cottonseed: Official grading and market news. 5¢.

Separates from Agricultural Statistics:

- 32 SAS. Statistics of cotton, sugar, and tobacco. (1939.)
 42 SAS. Statistics of cotton, sugar, and tobacco. (1940.) 10¢.
 52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)

Statistical Bulletins:

- *40 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1931-32. 10¢.
 45 S. Grade and staple length of cotton carried over in the United States as related to the domestic supply, 1928-29 to 1931-32. 5¢.
 47 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1932-33. 10¢.
 52 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1933-34. 10¢.
 56 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1934-35. 10¢.
 *60 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1935-36. 10¢.

Technical Bulletins:

- 50 T. Factors affecting the price of cotton. 15¢.
 423 T. Fluctuations in prices of cotton futures contracts. 5¢.
 493 T. Farm prices of cotton related to its grade and staple length in the United States, seasons 1928-29 to 1932-33. 10¢.
 545 T. Methods for the measurement of certain character properties of raw cotton. 15¢.
 602 T. Relation of spot cotton prices to prices of futures contracts and protection afforded by trading in futures. 15¢.
 662 T. Cotton sold in the seed in the United States. 5¢.
 685 T. Cotton prices in spot and futures markets. 15¢.
 *699 T. Cotton prices in relation to cotton classification service and to quality improvement. 10¢.
 755 T. Cotton-price relationships and outlets for American cotton. 5¢.

Yearbook Separates:

- *877 Y. The cotton situation. (1921.) 15¢.
 *1104 Y. Statistics of cotton, sugar, and tobacco. (1930.) 5¢.
 *1149 Y. Statistics of cotton, sugar, and tobacco. (1931.) 10¢.

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Unnumbered:

- Handbook for cotton classers. 10¢.
 Make surplus cotton work. 10¢.

Posters:

- Turn surplus cotton into better living. 21 by 28 inches. Brown and white.

▲▲ OTHER FIBER CROPS

(See also Seeds)

Farmers' Bulletins:

- 1631 F. Broomcorn: Growing and handling. 5¢.
 1728 F. ▲Flax-fiber production. 5¢.
 1747 F. ▲Flaxseed production in the North Central States. 5¢.
 1793 F. ▲Flaxseed production in the far western States. 5¢.

Circulars:

- 378 C. A practical laboratory method of making thin cross sections of fibers. 5¢.
 *585 C. ▲Ramie fiber production. 5¢.

Technical Bulletins:

- *347 T. An economic study of broomcorn production. 5¢.
 458 T. Histological characters of flax roots in relation to resistance to wilt and root rot. 5¢.

Yearbook Separates:

- *790 Y. Sisal and henequen as binder-twine fibers. (1918.) 5¢.
 *1558 Y. Fiber crops. (Genetics.) (1936.) 15¢.
 *1579 Y. Improvement in flax. (1936.) 10¢.

Insects: Other Fiber Crops**Farmers' Bulletins:**

- 1828 F. Grasshoppers and their control. 10¢.

▲▲ FORAGE CROPS

(See also Crop Culture—General; Seeds; and specific crop)

GENERAL**Farmers' Bulletins:**

- 578 F. ▲The making and feeding of silage. 10¢.
 *1511 F. Forage crops and their culture in northern Nebraska and the Dakotas. 5¢.
 1525 F. ▲Effective haying equipment and practices for northern Great Plains and intermountain regions. 5¢.
 1615 F. ▲Hay stackers and their use. 5¢.
 *1663 F. Winter legumes for green manure in the Cotton Belt. 5¢.
 1699 F. Growing root crops for livestock. 5¢.
 1725 F. Methods and costs of filling silos in the North Central States. 5¢.
 1761 F. ▲Harvesting with combines. 5¢.
 1784 F. Nitrogen-fixing bacteria and legumes. 5¢.

Leaflets:

- 163 L. Legumes in soil conservation practices. 5¢.

Circulars:

- 62 C. The utilization of browse forage as summer range for cattle in southwestern Utah. 10¢.
 *377 C. Vernalization experiments with forage crops. 5¢.
 443 C. Artificial drying of forage crops. 5¢.

Department Bulletins:

- *1244 D. Forage crops in relation to the agriculture of the semiarid portion of the northern Great Plains. 10¢.

Miscellaneous Publications:

- 101 MP. Important western browse plants. 45¢.
 194 MP.▲A pasture handbook. 10¢.
 363 MP.▲Hay quality: Relation to production and feed value. 10¢.
 *412 MP. Legumes for erosion control and wildlife. 65¢ (buckram).
 437 MP.▲Testing farm seeds in home and school. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Technical Bulletins:

- *141 T. The spontaneous combustion of hay. 10¢.
- 419 T. Forage-crop field experiments at West Point, Miss. 5¢.
- 538 T. Effect of method and rate of grazing on beef production and plant population of pastures at Beltsville, Md. 10¢.
- 547 T. Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains. 5¢.
- *611 T. Methods of making silage from grasses and legumes. 10¢.
- 649 T. Relative values for milk production of hay and silage made from immature pasture herbage. 5¢.
- 660 T. The Hohenheim system in the management of permanent pastures for dairy cattle. 5¢.
- 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill regions of the Southeast. 10¢.

Yearbook Separates:

- 1719 Y. Pasture and range in livestock feeding. (1939.) 10¢.
- 1720 Y. The nutritive value of harvested forage. (1939.) 10¢.
- 1721 Y. Losses in making hay and silage. (1939.) 5¢.
- 1723 Y. Deficient and excess minerals in forage in the United States. (1939.) 5¢.
- 1810 Y. Climate and forage crops. (1941.) 5¢.
- 1811 Y. Climate and grazing. (1941.) 5¢.

Insects and Other Pests: Forage Crops—General*(See also under specific crop)***Farmers' Bulletins:**

- 1003 F. How to control billbugs destructive to cereal and forage crops. 5¢.
- 1258 F. Webworms injurious to cereal and forage crops, and their control. 5¢.
- 1780 F. How to fight the chinch bug. 10¢.
- 1798 F. Control of common white grubs in cereal and forage crops. 5¢.
- 1828 F. Grasshoppers and their control. 10¢.
- 1850 F. The armyworm and its control. 5¢.
- 1866 F. Wireworms and their control on irrigated lands. 10¢.

Circulars:

- *241 C. Leaf hoppers injurious to cereal and forage crops. 5¢.
- 494 C. The Texas leaf-cutting ant and its control. 5¢.

Technical Bulletins:

- *190 T. A study of the lesser migratory grasshopper. 10¢.
- 659 T. The sand wireworm and its control in the South Carolina Coastal Plain. 10¢.

Marketing: Forage Crops—General*(See also under specific crop)***Farmers' Bulletins:**

- 1700 F. Marketing hay by modern methods. 5¢.

Leaflets:

- 72 L. Measuring hay in stacks. 5¢.

Separates from Agricultural Statistics:

- 4 SAS. Statistics of miscellaneous crops (1936).
- *24 SAS. Statistics of miscellaneous crops. (1938.) 10¢.
- *34 SAS. Statistics of miscellaneous crops. (1939.) 10¢.
- 44 SAS. Statistics of miscellaneous crops. (1940.) 10¢.

Unnumbered:

Handbook of official hay standards including straw standards.

▲▲ ALFALFA*(See also Forage Crops—General)***Farmers' Bulletins:**

- 1539 F. ▲ High-grade alfalfa hay: Methods of producing, baling, and loading for market. 5¢.

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Farmers' Bulletins—Continued.

- 1630 F. Irrigation practices in growing alfalfa. 5¢.
- 1722 F. ▲ Growing alfalfa. 10¢.
- 1731 F. Alfalfa varieties in the United States. 5¢.
- 1839 F. The uses of alfalfa. 5¢.

Department Bulletins:

- *1418 D. Fertilizer experiments with alfalfa conducted at the United States Yuma Field Station, Bard, Calif., 1919 to 1925. 5¢.
- *1424 D. Comparative shrinkage in weight of alfalfa cured with leaves attached and removed. 5¢.

Technical Bulletins:

- *495 T. Alfalfa experiments at Stoneville, Miss. 5¢.
- 632 T. Loss, during storage, of vitamin A from alfalfa leaf meals fed to chickens. 5¢.
- 635 T. Comparison of alfalfa and western wheatgrass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains. 5¢.
- 701 T. Alfalfa experiments at Stoneville, Miss., 1935-37. 5¢.
- 739 T. Yield, chemical composition, and feeding value for milk production of alfalfa hay cut at three stages of maturity. 10¢.

Yearbook Separates:

- *1595 Y. Alfalfa improvement. (1937.) 10¢.

Diseases: Alfalfa

Department Circulars:

- *297 DC. The eelworm disease: A menace to alfalfa in America. 5¢.
- *425 DC. Observations on some alfalfa root troubles. 5¢.

Circulars:

- *573 C. Bacterial wilt of alfalfa and its control. 5¢.

Insects and Other Pests: Alfalfa

Farmers' Bulletins:

- 944 F. Controlling the garden web worm in alfalfa fields. 5¢.
- 982 F. Control of the green clover worm in alfalfa fields. 5¢.
- 1094 F. The alfalfa caterpillar. 5¢.
- 1642 F. Chalcid control in alfalfa-seed production. 5¢.

Circulars:

- *287 C. Burning for the control of aphids on alfalfa in the Antelope Valley of California. 5¢.
- *307 C. Control of aphids on alfalfa in the Antelope Valley, Calif. 5¢.

Department Circulars:

- *301 DC. Introduction of parasites of the alfalfa weevil into the United States. 5¢.

Technical Bulletins:

- *741 T. Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. 5¢.

Picture Sheets:

- No. 12. Fall armyworm. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Alfalfa

Farmers' Bulletins:

- 1539 F. High-grade alfalfa hay: Methods of producing, baling, and loading for market. 5¢.

▲▲ CLOVER

(See also Forage Crops—General)

Farmers' Bulletins:

- 1151 F. Alsike clover. 5¢.
- 1339 F. Red-clover culture. 5¢.
- 1653 F. Sweetclover in Corn Belt farming. 5¢.
- 1770 F. ▲ High-grade timothy and clover hay: Methods of producing, baling, and loading for market. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Leaflets:

- 23 L. Sweetclover. 5¢.
- 93 L. Red-clover seed production in the Intermountain States. 5¢.
- * 110 L. Why red clover fails. 5¢.
- 119 L. White clover. 5¢.
- *160 L. Crimson clover. 5¢.
- 176 L. Strawberry clover. 5¢.

Diseases: Clover**Leaflets:**

- 98 L. Red-clover failure in relation to anthracnose in the southern part of the clover belt. 5¢.

Technical Bulletins:

- *28 T. Clover anthracnose caused by *Colletotrichum trifolii*. 15¢.

Insects and other pests: Clover**Farmers' Bulletins:**

- 971 F. The control of the clover-flower midge. 5¢.
- 1484 F. The clover leaf weevil and its control. 5¢.

Department Bulletins:

- *1426 D. The clover root borer. 10¢.

Marketing: Clover**Farmers' Bulletins:**

- 1770 F. High-grade timothy and clover hay: Methods of producing, baling, and loading for market. 5¢.

▲▲ GRASSES*(See also Forage Crops—General)***Farmers' Bulletins:**

- 1126 F. Sudan grass. 5¢.
- 1254 F. ▲ Important cultivated grasses. 5¢.
- 1433 F. ▲ Cultivated grasses of secondary importance. 5¢.
- 1597 F. The production of Johnson grass for hay and pasturage. 5¢.
- 1602 F. Reed canary grass. 5¢.
- 1770 F. ▲ High-grade timothy and clover hay: Methods of producing, baling, and loading for market. 5¢.
- 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.

Leaflets:

- 99 L. Huron timothy. 5¢.
- 104 L. Crested wheat grass. 5¢.
- 115 L. Timothy seed production. 5¢.
- 171 L. The timothy crop. 5¢.
- 180 L. How to keep and increase black grama on southwestern ranges. 5¢.
- 196 L. The ryegrasses. 5¢.

Circulars:

- 328 C. Methods of reestablishing buffalo grass on cultivated land in the Great Plains. 5¢.
- *402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
- 491 C. Grass culture and range improvement in the central and southern Great Plains. 10¢.
- 558 C. Processing seed of grasses and other plants to remove awns and appendages. 5¢.

Department Bulletins:

- *461 D. The identification of grasses by their vegetative characters. 5¢.
- *772 D. The genera of grasses of the United States. 35¢.
- *1450 D. The life history of timothy. 25¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications: *Do not combine orders.*)

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Miscellaneous Publications:

- *200 MP. Manual of the grasses of the United States. \$1.75.
- *243 MP. Manual of the grasses of the West Indies. \$1.25.

Technical Bulletins:

- *307 T. Crested wheatgrass as compared with brome grass, slender wheatgrass, and other hay and pasture crops for the northern Great Plains. 5¢.
- 352 T. Sudan grass as hay, silage, and pasture for dairy cattle. 5¢.
- *549 T. Drought survival of native grass species in the central and southern Great Plains, 1935. 10¢.
- 598 T. The relation of growth to the varying carbohydrate content in mountain brome. 5¢.
- *611 T. Methods of making silage from grasses and legumes. 10¢.
- 635 T. Comparison of alfalfa and western wheatgrass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains. 5¢.
- 638 T. Temperature and other factors affecting the germination of fescue seed. 10¢.
- 670 T. Relation of temperature and moisture content to longevity of Chewings fescue seed. 10¢.
- *681 T. The effect of intensity and frequency of clipping on density and yield of black grama and tobosa grass. 5¢.

Yearbook Separates:

- *1593 Y. Breeding miscellaneous grasses. (1937.) 10¢.
- 1594 Y. Improvement of timothy. (1937.) 5¢.

Insects and Other Pests: Grasses

Farmers' Bulletins:

- 752 F. The fall army worm, or "grass worm," and its control. 5¢.
- 1850 F. The army worm and its control. 5¢.

Circulars:

- 51 C. The chinch bug in relation to St. Augustine grass. 5¢.

Technical Bulletins:

- *173 T. The bluegrass webworm. 10¢.
- 778 T. The biology and control of the sorghum midge. 10¢.

Picture Sheets:

- No. 12. Fall armyworm. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Grasses

Farmers' Bulletins:

- 1574 F. Preparing Johnson hay for market in the Black Prairie Belt of Alabama and Mississippi. 5¢.
- 1770 F. High-grade timothy and clover hay: Methods of producing, baling, and loading for market. 5¢.

▲▲ SOYBEANS

(See also Forage Crops—General)

Farmers' Bulletins:

- 1520 F. ▲Soybeans: Culture and varieties. 10¢.
- 1605 F. ▲Soybean hay and seed production. 5¢.
- 1617 F. Soybean utilization. 5¢.

Miscellaneous Publications:

- 140 MP. Protein tests for wheat and oil tests for flaxseed and soybeans. 10¢.

Technical Bulletins:

- 586 T. Effect of fertilizers on composition of soybean hay and seed and of crop management on carbon, nitrogen, and reaction of Norfolk sand. 10¢.
- 619 T. Soybeans in the United States; recent trends and present economic status. 5¢.
- 748 T. Rapid determination of soybean oil content and of iodine number of soybean oil. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Insects and Other Pests: Soybeans**Leaflets:**

- *12 L. The striped blister beetle on soybeans. 5¢.

▲▲ OTHER FORAGE CROPS

(See also Forage Crops—General)

Farmers' Bulletins:

- 1148 F. Cowpeas: Culture and varieties. 5¢.
 1153 F. Cowpeas: Utilization. 5¢.
 1276 F. The velvet bean. 5¢.
 1740 F. Vetch culture and uses. 5¢.
 1741 F. Bur-clover cultivation and utilization. 5¢.
 1803 F. Culture and pests of field peas. 5¢.
 1840 F. Kudzu for erosion control in the Southeast. 5¢.
 1844 F. The culture and use of sorghums for forage. 10¢.
 1852 F. Lespedeza culture and utilization. 5¢.

Leaflets:

- 91 L. Kudzu: A forage crop for the Southeast. 5¢.
 114 L. Vine-mesquite for erosion control on southwestern ranges. 5¢.

Circulars:

- 534 C. *Lespedeza sericea* and other perennial lespedezas for forage and soil conservation. 10¢.
 536 C. The annual lespedezas as forage and soil conserving crops. 10¢.
 617 C. Tests of species and varieties of vetch for resistance to the vetch bruchid. 5¢.
 625 C. Birdsfoot trefoil and big trefoil. 5¢.

Department Bulletins:

- *1174 D. Hungarian vetch. 5¢.

Technical Bulletins:

- *292 T. The inheritance of colored scutellums in maize. 10¢.

Diseases: Other Forage Crops**Farmers' Bulletins:**

- 1735 F. Pea diseases and their control. 5¢.

Circulars:

- 565 C. Austrian winter field pea diseases and their control in the South. 10¢.

Technical Bulletins:

- 704 T. Bacterial wilt of lespedeza. 5¢.

Insects and Other Pests: Other Forage Crops**Farmers' Bulletins:**

- *1206 F. The corn earworm as an enemy of vetch. 5¢.
 1275 F. Weevils in beans and peas. 10¢.
 1624 F. The Mexican bean beetle in the East, and its control. 5¢.

Circulars:

- 555 C. Fumigation of vetch seed for the vetch bruchid. 5¢.

Technical Bulletins:

- *593 T. The bean weevil and the southern cowpea weevil in California. 10¢.
 778 T. The biology and control of the sorghum midge. 10¢.

Picture Sheets:

- No. 2. Mexican bean beetle. 5¼ by 9¼ inches. Colored. 5¢.

Marketing: Other Forage Crops**Farmers' Bulletins:**

- 1308 F. Marketing the cowpea seed crop. 5¢.

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▲▲ FRUITS

(See also Crop Culture—General; Seeds; Weeds; and specific crop)

▲▲ GENERAL

Farmers' Bulletins:

- 727 F. ▲ Growing fruit for home use in the Great Plains area. 5¢.
- 1001 F. ▲ Growing fruit for home use. 5¢.
- 1369 F. Bridge grafting. 5¢.
- 1518 F. Orchard irrigation. 5¢.
- 1522 F. ▲ The home fruit garden on the northern Great Plains. 10¢.
- 1588 F. ▲ Frost and the prevention of frost damage. 10¢.
- 1696 F. Deciduous-fruit improvement through tree-performance records. 5¢.
- 1870 F. Pruning hardy fruit plants. 10¢.

Leaflets:

- 172 L. Why fruit trees fail to bear. 5¢.
- 178 L. Dwarf fruits. 5¢.
- 202 L. Grafting-wax melter. 5¢.

Department Bulletins:

- 1025 D. Studies in the clarification of unfermented fruit juices. 5¢.

Department Circulars:

- *310 DC. The solar propagating frame for rooting citrus and other subtropical plants. 5¢.

Technical Bulletins:

- *403 T. Hydrion concentration changes in relation to growth and ripening in fruits. 5¢.

Yearbook Separates:

- 1808 Y. Climatic adaptation of fruit and nut crops. (1941.) 5¢.

Diseases: Fruits—General

(See also specific crop)

Farmers' Bulletins:

- *1435 F. Diseases of stone fruits on the markets. 5¢.

Miscellaneous Publications:

- *228 MP. Market diseases of fruits and vegetables: Peaches, plums, cherries, and other stone fruits. 20¢.

Technical Bulletins:

- *273 T. The bacterial spot disease of the peach and other stone fruits. 20¢.
- 519 T. Transit and storage diseases of fruits and vegetables as affected by carbon dioxide treatment. 5¢.

Insects and Other Pests: Fruits—General

(See also specific crop)

Farmers' Bulletins:

- *650 F. The San Jose scale and its control. 5¢.
- 763 F. Orchard bark beetles and pinhole borers, and how to control them. 5¢.
- 1128 F. Control of aphids injurious to orchard fruits, currant, gooseberry, and grape. 10¢.
- *1285 F. Lime-sulphur concentrate: Preparation, uses, and designs for plants. 5¢.
- 1676 F. Lubricating-oil sprays for use on dormant fruit trees. 5¢.
- 1856 F. The Japanese beetle and its control. 5¢.

Leaflets:

- 161 L. The eastern tent caterpillar. 5¢.
- 183 L. Cankerworms. 5¢.

Circulars:

- 237 C. Control of the Japanese beetle on fruit and shade trees. 5¢.
- 246 C. Life history and control of the Asiatic garden beetle. 5¢.
- *255 C. Observations on the Mexican fruit fly and some related species in Cuernavaca, Mexico, in 1928 and 1929. 5¢.

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Circulars—Continued.

- *270 C. Orchard insects of the Pacific Northwest and their control 15¢.
- *277 C. The oriental moth (*Cnidocampa flavescens* Walk.) and its control. 5¢.
- *349 C. The disposal by burial of fruit infested with larvae of the Mexican fruit fly. 5¢.
- *373 C. Fumigation of fresh fruit to destroy the adult Japanese beetle. 5¢.
- 401 C. Control of the Japanese beetle and its grub in home yards. 5¢.
- 494 C. The Texas leaf-cutting ant and its control. 5¢.
- 547 C. Feeding habits of the adult Japanese beetle. 5¢.
- 551 C. The basis for treatment of products where fruitflies are involved as a condition for entry into the United States. 5¢.
- 594 C. The use of traps against the Japanese beetle. 5¢.

Department Bulletins:

- *161 D. The Mediterranean fruit fly in Bermuda. 5¢.
- *640 D. The Mediterranean fruit fly. 15¢.

Miscellaneous Publications:

- 439 MP. The fruitflies of the genus *Anastrepha*. 40¢.

Technical Bulletins:

- *86 T. Imported insect enemies of the gypsy moth and the brown-tail moth. 50¢.
- *89 T. Biology of the European red mite in the Pacific Northwest. 15¢.
- *90 T. Life history of the codling moth in northern Georgia. 20¢.
- *111 T. Fish oil as an adhesive in lead-arsenate sprays. 10¢.
- *215 T. A biological study of *Trichogramma minutum* Riley as an egg parasite of the oriental fruit moth. 5¢.
- 242 T. Biology of the Indian-meal moth on dried fruits in California. 5¢.
- *255 T. Life history of the codling moth in the Rogue River Valley of Oregon. 10¢.
- *400 T. Observations on the thermal death points of *Anastrepha ludens* (Loew). 5¢.
- 402 T. Biology and control of tree hoppers injurious to fruit trees in the Pacific Northwest. 10¢.
- *444 T. Studies on the Mexican fruit fly, *Anastrepha ludens* (Loew). 5¢.
- 775 T. The yellow chapote, a native host of the Mexican fruitfly. 5¢.

Marketing: Fruits—General

(See also Bureau List: Agricultural Marketing Administration, and specific crop)

Farmers' Bulletins:

- 1752 F. Spray-residue removal from apples and other fruits. 5¢.
- 1821 F. Containers for fruits and vegetables. 10¢.

Circulars:

- 253 C. Spoilage of stone fruits on the market. 5¢.
- 278 C. The commercial storage of fruits, vegetables, and florists' stocks. 10¢.
- 447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks. 5¢.
- 463 C. Wholesale markets for fruits and vegetables in 40 cities. 15¢.

Miscellaneous Publications:

- *75 MP. Method of testing the capacity of fruit and vegetable containers under the United States standard container acts. 5¢.
- 167 MP. A fruit and vegetable buying guide for consumers. 10¢.
- 460 MP. The ABC of canned fruit and vegetable labeling. 5¢.

Separates from Agricultural Statistics:

- *3 SAS. Statistics of fruits and vegetables. (1936.) 10¢.
- *23 SAS. Statistics of fruits, vegetables, and tree nuts. (1938.) 15¢.
- 43 SAS. Statistics of fruits, vegetables, and tree nuts. (1940.) 15¢.
- 53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Statistical Bulletins:

- *19 S. Carload shipments of fruits and vegetables from stations in the United States for the calendar years 1924 and 1925. 15¢.
- *23 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1924-26. 25¢.
- *30 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1927 and 1928. 25¢.
- *35 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1928 and 1929. 25¢.
- *38 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1929 and 1930. 15¢.
- *42 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1930 and 1931. 10¢.
- 46 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1931 and 1932. 15¢.
- *50 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1932 and 1933. 15¢.
- 53 S. Car-lot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934. 15¢.

Technical Bulletins:

- 272 T. The marketing and distribution of fruits and vegetables by motortruck. 20¢.
- 318 T. Effect of solid and gaseous carbon dioxide upon transit diseases of certain fruits and vegetables. 10¢.
- 445 T. Market distribution of carlot shipments of fruits and vegetables in the United States. 5¢.
- 771 T. Calorimetric measurements of the heat of respiration of fruits and vegetables. 5¢.

Unnumbered:

The wholesale fruit and vegetable markets of New York City. 25¢.

Yearbook Separates:

- *933 Y. Statistics of fruits and vegetables. (1927.) 10¢.
- *1105 Y. Statistics of fruits and vegetables. (1930.) 5¢.
- *1150 Y. Statistics of fruits and vegetables. (1931.) 15¢.

▲▲ APPLES

(See also Fruits—General)

Farmers' Bulletins:

- 1264 F. Farm manufacture of unfermented apple juice. 10¢.
- 1284 F. ▲ Apple-orchard renovation. 5¢.
- 1360 F. Apple growing east of the Mississippi River. 5¢.
- 1883 F. Apple varieties and important producing sections of the United States. 10¢.

Circulars:

- *95 C. Subsoil, an important factor in the growth of apple trees in the Ozarks. 10¢.
- *303 C. Soil profile and root penetration as indicators of apple production in the lake shore district of western New York. 5¢.
- *579 C. The relation of firmness to ripeness of eastern-grown apples. 5¢.
- 627 C. Fruit pressure testers and their practical applications. 5¢.

Department Bulletins:

- *500 D. The cost of producing apples in western Colorado. 10¢.
- *851 D. Cost of producing apples in five counties in western New York, 1910-1915. 10¢.
- *1455 D. Incomes from farming and cost of apple production in the Shenandoah Valley, Frederick County, Va. 10¢.

Technical Bulletins:

- *491 T. Soil moisture and irrigation investigations in eastern apple orchards. 5¢.

Yearbook Separates:

- *1586 Y. Breeding apples and pears. (1937.) 10¢.

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Diseases: Apples

Farmers' Bulletins:

- 938 F. Apple bitter-rot and its control. 5¢.
- 1120 F. Control of apple powdery mildew. 5¢.
- 1160 F. Diseases of apples in storage. 5¢.
- 1380 F. Apple scald and its control. 5¢.
- 1478 F. Apple scab. 5¢.
- 1479 F. Apple blotch. 5¢.

Leaflets:

- 187 L. Blight of pears, apples, and quinces. 5¢.

Department Bulletins:

- 1104 D. Internal browning of the Yellow Newtown apple. 10¢.

Department Circulars:

- *376 DC. A method for the control of crown gall in the apple industry. 5¢.

Miscellaneous Publications:

- *168 MP. Market diseases of fruits and vegetables: Apples, pears, quinces. 40¢.

Posters:

- *No. 27. Apple diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Blue-mold rot on Yellow Newtown.
 - B. Black rot on Rome Beauty.
 - C. Bitter rot.
 - D. Brown rot on Winesap.
 - E. Alternaria rot on Rome Beauty.
 - F. Pink-mold rot on Yellow Transparent.
- *No. 28. Apple diseases. 7¼ by 12 inches. Colored. 5¢.
 - A, C, D, E. Bullseye rot (perennial canker) on Esopus Spitzenburg.
 - B. Fish-eye rot on Stayman Winesap.
- *No. 29. Apple diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Fruit spot on Grimes Golden.
 - B. Storage scab on Rome Beauty.
 - C. Fly speck and sooty blotch on Arkansas (Mammoth Black Twig).
 - D. Scab as developed on Rome Beauty on the tree.
 - E. Sooty blotch on Arkansas (Mammoth Black Twig).
 - F. Powdery mildew on Esopus Spitzenburg.
- *No. 30. Apple diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Phytophthora rot on Grimes Golden.
 - B. Phytophthora rot on Grimes Golden. (Cross section.)
 - C. Blotch on Oldenburg.
 - D. Cedar rust on Rome Beauty.
 - E. Cedar rust on York Imperial.
 - F. Quince rust on York Imperial.
- *No. 31. Apple diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Jonathan spot on Jonathan.
 - B. Scald on Baldwin.
 - C. Soft scald on Winesap showing black spots caused by secondary fungus infection.
 - D. Soggy break-down on Grimes Golden.
 - E. Bitter pit on Delicious.
 - F. Soft scald on Rome Beauty.
- *No. 32. Apple injuries. 7¼ by 12 inches. Colored. 5¢.
 - A, E. Drought spot on Winesap.
 - B. Lime-sulphur injury.
 - C. Hail injury on Jonathan.
 - D. Spray injury, probably by Bordeaux mixture, on Ben Davis.
- *No. 33. Apple diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Watercore on Winesap.
 - B. Watercore on Rome Beauty, followed by internal break-down.
 - C, D. Internal browning of Yellow Newtown.
 - E. Internal break-down of Stayman Winesap.
 - F. Internal break-down of York Imperial.
- *No. 34. Apple injuries. 7¼ by 12 inches. Colored. 5¢.
 - A. Heat injury on York Imperial.
 - B, C. Heat injury on Northwestern Greening.
 - D. Heat injury (hollow apple).
 - E. Sunburn on Yellow Newtown.
 - F. Cork.

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Posters—Continued.

- *No. 35. Apple injuries. 7¼ by 12 inches. Colored. 5¢.
 A. Freezing injury on Winesap, likely to be confused with transit bruising.
 B. Freezing injury. (Cross section of A.)
 C. Section of a severely frozen Winesap.
 D. Apple completely killed by freezing.
 E, F. Injury on Delicious caused by freezing when apple was young.
- *No. 36. Apple injuries. 7¼ by 12 inches. Colored. 5¢.
 A, B. Transit bruising on Yellow Newtown.
 C. Rome Beauty showing—
 (a) Watersoaked condition of flesh characteristic of transit injury.
 (b) (c) Ordinary "box" bruises.
 D. Transit bruising on Winesap.
 E. Transit bruising on Delicious.
 F. Rome Beauty showing watersoaked flesh underlaid by a broken region.
- *No. 37. Apple injuries. 7¼ by 12 inches. Colored. 5¢.
 Acid injury followed by decay on Rome Beauty.
 B. Acid injury.
 C. Arsenic injury followed by decay on Winesap.
 D. Arsenic injury on Yellow Newtown. No decay.
 E. Alkali injury.
 F. Ammonia injury on Winesap produced by 12 hours' exposure to an atmosphere containing 3½ percent ammonia gas.
- *No. 42. Apple and pear injuries. 7¼ by 12 inches. Colored. 5¢.
 A. Spotting caused by San Jose scale.
 B. Codling moth sting injury.
 C, D. Stigmonose injury.
 E. Rosy apple aphid injury.
 F. Pear-leaf blister-mite injury.
 G. Pansy-spot injury on McIntosh.

Insects and Other Pests: Apples**Farmers' Bulletins:**

- 675 F. The roundheaded apple-tree borer. 5¢.
 1065 F. The flat-headed apple-tree borer. 5¢.

Leaflets:

- 161 L. The eastern tent caterpillar. 5¢.

Circulars:

- 600 C. Mortality of the apple maggot in fruit held in cold storage. 5¢.
 606 C. Observations on the biology and control of the treehopper *Heliria praealta* (Fowler) in orchards of the Pacific Northwest. 10¢.

Technical Bulletins:

- *263 T. The leaf hoppers attacking apple in the Ozarks. 10¢.

Marketing: Apples

(See also Bureau List: Agricultural Marketing Administration)

Farmers' Bulletins:

- 1204 F. Northwestern apple packing houses. 5¢.
 1457 F. Packing apples in boxes. 5¢.
 1695 F. Preparing apples for market in barrels and baskets. 5¢.
 1752 F. Spray-residue removal from apples and other fruits. 5¢.

Circulars:

- 91 C. Market supplies and prices of apples. 15¢.

Department Bulletins:

- 1406 D. The ripening, storage, and handling of apples. 20¢.
 *1416 D. Marketing barreled apples. 20¢.
 1448 D. Picking maturity of apples in relation to storage. 5¢.

Department Circulars:

- *413 DC. Extent and causes of rejections of boxed apples from the State of Washington, seasons 1922 to 1925. 5¢.

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Technical Bulletins:

- 234 T. Marketing apples grown in the Cumberland-Shenandoah region of Pennsylvania, Virginia, and West Virginia. 10¢.
- 245 T. Arsenical and other fruit injuries of apples resulting from washing operations. 10¢.
- *370 T. Bruising and freezing of apples in storage and transit. 15¢.
- 474 T. Marketing apples. 10¢.
- *523 T. Transportation of apples from the Shenandoah-Cumberland section to overseas markets. 5¢.
- *550 T. Protection of apples and pears in transit from the Pacific Northwest during the winter months. 10¢.
- *559 T. Influence of packing and handling methods on condition of apples barreled for export. 5¢.
- 622 T. Removal of lead spray residues from apples grown in the Shenandoah-Cumberland Valley. 10¢.
- 776 T. A comparative study of storage at 32° and 36° F. of apples grown in the Potomac River Valley. 10¢.

▲▲ BERRIES*(See also Fruits—General)***Farmers' Bulletins:**

- 887 F. Raspberry culture. 5¢.
- 901 F. Everbearing strawberries. 5¢.
- 1026 F. Strawberry culture: South Atlantic and Gulf Coast regions. 10¢.
- 1027 F. Strawberry culture: Western United States. 10¢.
- 1028 F. Strawberry culture: Eastern United States. 10¢.
- 1043 F. Strawberry varieties in the United States. 5¢.
- 1398 F. Currants and gooseberries: Their culture and relation to white-pine blister rust. 5¢.
- 1399 F. Blackberry growing. 5¢.
- 1400 F. Establishing cranberry fields. 5¢.
- 1401 F. Managing cranberry fields. 5¢.
- 1403 F. Dewberry growing. 5¢.
- 1882 F. Harvesting and handling cultivated cranberries.

Leaflets:

- 201 L. Blueberries. 5¢.

Circulars:

- *93 C. The Blakemore strawberry. 10¢.
- 171 C. The Bellmar, Southland, and Redheart strawberries. 5¢.
- *220 C. The Brainerd blackberry. 5¢.
- 259 C. The Potomac raspberry. 5¢.
- 517 C. The Northstar strawberry. 5¢.
- 589 C. The Atlantic, Pemberton, and Burlington blueberries. 5¢.
- 597 C. The Maytime, Starbright, and Redstar strawberries. 5¢.

Yearbook Separates:

- 1583 Y. Breeding small fruits. (1937.) 15¢.

Diseases: Berries**Farmers' Bulletins**

- 1488 F. Diseases of raspberries and blackberries. 5¢.
- 1891 F. Diseases of strawberries. 10¢.

Circulars:

- *297 C. Strawberry dwarf. 5¢.

Department Bulletins:

- *1434 D. Cranberry disease investigations on the Pacific Coast. 5¢.

Department Circulars:

- *227 DC. Eastern blue-stem of the black raspberry. 5¢.
- *402 DC. Diseases of strawberries on the market. 5¢.

Miscellaneous Publications:

- *340 MP. Market diseases of fruits and vegetables: Grapes and other small fruits. 40¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Posters:

- *No. 63. Strawberry diseases. 7¼ by 12 inches. Colored. 5¢.
 A. Gray mold rot, late stage.
 B, C. Leather rot on Aroma. (C. Longitudinal section.)
 D, E. Rhizoctonia brown rot on Missionary. (E. Cross section.)
 F. Tan brown rot on Missionary.
 G. Gray mold rot.
- *No. 64. Strawberry diseases. 7¼ by 12 inches. Colored. 5¢.
 Rhizopus rot.

Insects and Other Pests: Berries**Farmers' Bulletins:**

- *1286 F. The red necked raspberry cane borer. 5¢.

Circulars:

- *123 C. A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot. 5¢.
- *196 C. The blueberry maggot and its control in eastern Maine. 5¢.

Department Bulletins:

- *1032 D. The blackhead fireworm of cranberry on the Pacific Coast. 15¢.

Miscellaneous Publications:

- 468 MP. Raspberry fruit worms and related species. 10¢.

Technical Bulletins:

- *275 T. The biology and control of the blueberry maggot in Washington County, Maine. 25¢.

Marketing: Berries**Farmers' Bulletins:**

- 1560 F. Preparing strawberries for market. 5¢.

Circulars:

- 515 C. Handling and shipping strawberries without refrigeration. 5¢.
- 613 C. Studies on the respiration of strawberry and raspberry fruits. 5¢.

Technical Bulletins:

- 525 T. Handling, precooling, and transportation of Florida strawberries. 10¢.

▲▲ CITRUS FRUITS

(See also Fruits—General)

Farmers' Bulletins:

- *794 F. Citrus-fruit improvement: How to secure and use tree-performance records. 5¢.
- *1333 F. Pruning citrus trees in the Southwest. 5¢.
- 1343 F. ▲ Culture of citrus fruits in the Gulf States. 5¢.
- 1447 F. ▲ Citrus fruit growing in the Southwest. 5¢.
- 1763 F. ▲ Harvesting and handling citrus fruits in the Gulf States. 5¢.
- 1876 F. Irrigation problems in citrus orchards. 10¢.

Department Circulars:

- *310 DC. The solar propagating frame for rooting citrus and other subtropical plants. 5¢.

Technical Bulletins:

- *123 T. Bud selection in the Washington Navel orange: Progeny tests of limb variations. 20¢.
- *163 T. Inheritance of composition of Washington Navel oranges of various strains propagated as bud variants. 5¢.
- 531 T. Bud selection in Eureka and Lisbon lemons and progeny tests of bud variations. 10¢.
- *640 T. Growth of lemon fruits in relation to moisture content of the soil. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Technical Bulletins—Continued.

- *753 T. Seasonal changes in Florida oranges. 30¢.
 780 T. A physiological study of carotenoid pigments and other constituents in the juice of Florida oranges. 10¢.

Yearbook Separates:

- 1589 Y. Improvement of subtropical fruit crops. (1937.) 15¢.

Diseases: Citrus Fruits**Circulars:**

- 396 C. A method of harvesting grapefruit to retard stem-end rot. 5¢.

Technical Bulletins:

- 488 T. Reducing decay in citrus fruits with borax. 5¢.

Insects and Other Pests: Citrus Fruits**Farmers' Bulletins:**

- *933 F. Spraying for the control of insects and mites attacking citrus trees in Florida. 5¢.
 *1011 F. The woolly white fly in Florida citrus groves. 5¢.
 *1309 F. Control of the common mealybug on citrus in California. 5¢.
 *1321 F. Fumigation of citrus trees for control of insect pests. 5¢.

Circulars:

- *266 C. The citrus insects of tropical Asia. 5¢.
 *365 C. The camphor scale. 5¢.

Department Bulletins:

- *1117 D. Natural control of the citrus mealybug in Florida. 5¢.

Technical Bulletins:

- *15 T. The citrus insects of Japan. 5¢.
 *252 T. Two citrus leaf miners of the Far East. 5¢.
 *320 T. The citrus blackfly in Asia, and the importation of its natural enemies into tropical America. 10¢.

Marketing: Citrus Fruits

(See also Bureau List: Agricultural Marketing Administration)

Farmers' Bulletins:

- 1763 F. Harvesting and handling citrus fruits in the Gulf States. 5¢.

Circulars:

- 577 C. Citrus fruit products. 10¢.

Department Bulletins:

- 1261 D. Operating methods and expense of cooperative citrus-fruit marketing agencies. 5¢.

Technical Bulletins:

- *505 T. Refrigeration of oranges in transit from California. 15¢.

GRAPES

(See also Fruits—General)

Farmers' Bulletins:

- 471 F. Grape propagation, pruning, and training. 5¢.
 1689 F. Grape districts and varieties in the United States. 5¢.
 1785 F. Muscadine grapes. 5¢.

Leaflets:

- 173 L. The bud-graft method of propagating vinifera grape varieties on rootstocks. 5¢.

Technical Bulletins:

- 697 T. Testing vinifera grape varieties grafted on phylloxera-resistant rootstocks in California. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Yearbook Separates:

- *1587 Y. Grape development and improvement. (1937.) 10¢.

Diseases: Grapes**Miscellaneous Publications:**

- *340 MP. Market diseases of fruits and vegetables: Grapes and other small fruits. 40¢.

Posters:

- *No. 61. Grape diseases. 7¼ by 12 inches. Colored. 5¢.
A. Gray mold rot on Zinfandel.
B, C, D, E. Various stages of black rot on Concord.
- *No. 62. Grape injuries. 7¼ by 12 inches. Colored. 5¢.
A. Sulphur injury on upper part of a bunch of Emperor.
B, C. Sulphur injury on Emperor.

Insects and Other Pests: Grapes**Farmers' Bulletins:**

- *721 F. The rose-chaffer: A destructive garden and vineyard pest. 5¢.
- 1128 F. Control of aphids injurious to orchard fruits, currant, gooseberry, and grape. 10¢.

Marketing: Grapes**Farmers' Bulletins:**

- 1558 F. Preparation of eastern grapes for market. 5¢.

Circulars:

- 83 C. The handling of California table grapes. 5¢.
- 574 C. Studies on the "raisining" of Alexandria (Muscat) grapes in transit. 5¢.

Technical Bulletins:

- 606 T. Factors influencing the quality of American grapes in storage. 5¢.

MELONS

(See also Fruits—General)

Farmers' Bulletins:

- 1394 F. Watermelons. 5¢.
- 1468 F. Muskmelons. 5¢.

Circulars:

- 441 C. Development of Powdery Mildew Resistant Cantaloup No. 45. 5¢.

Department Bulletins:

- *1250 D. Relation between the composition of California cantaloups and their commercial maturity. 5¢.

Diseases: Melons**Miscellaneous Publications:**

- *292 MP. Market diseases of fruits and vegetables: Crucifers and cucurbits. 45¢.

Technical Bulletins:

- *573 T. Investigations of the market diseases of cantaloups and Honeydew and Honey Ball melons. 15¢.
- 613 T. Market-storage studies of Honeydew melons and cantaloups. 10¢.

Posters:

- *No. 57. Melon diseases. 7¼ by 12 inches. Colored. 5¢.
Various decays following low-temperature breakdown of Honey Dew melon.
(Large black area, alternaria rot; small scattered black spots cladosporium rot; greenish blue spots, blue mold rot; red spots, fusarium rot.)
- *No. 59. Watermelon diseases. 7¼ by 12 inches. Colored. 5¢.
Anthracnose.
- *No. 60. Watermelon diseases. 7¼ by 12 inches. Colored. 5¢.
Stem end rot.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Insects and Other Pests: Melons**Farmers' Bulletins:**

- 1499 F. The melon aphid and its control. 5¢.

Marketing: Melons**Separates from Agricultural Statistics:**

- 53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)

Technical Bulletins:

- 425 T. Marketing cantaloups and other muskmelons. 5¢.
730 T. Market quality and condition of California cantaloups as influenced by maturity, handling, and precooling. 15¢.

PEACHES

(See also Fruits—General)

Farmers' Bulletins:

- 917 F. Growing peaches: Sites and cultural methods. 5¢.
*918 F. Peach varieties and their classification. 5¢.

Circulars:

- *375 C. Varietal suitability of peaches for preserve making and factors affecting the quality of the product. 5¢.
552 C. Seven new peaches and a new plum for the Western States. 5¢.
627 C. Fruit pressure testers and their practical applications. 5¢

Technical Bulletins:

- *84 T. Preservation of peaches for use in the manufacture of ice cream. 5¢.

Yearbook Separates:

- *1588 Y. Improvement of stone fruits. (1937.) 15¢.

Diseases: Peaches**Farmers' Bulletins:**

- 1527 F. Peach brown rot and scab. 5¢.

Circulars:

- 427 C. Peach mosaic: Its identification and control. 15¢.

Technical Bulletins:

- *273 T. The bacterial spot disease of the peach and other stone fruits. 20¢.

Posters:

- *No. 43. Peach diseases. 7¼ by 12 inches. Colored. 5¢.
A. Bacterial spot.
B. Scab.
C, D. Leaf curl.
*No. 44. Stone fruit diseases. 7¼ by 12 inches. Colored. 5¢.
A. Blue mold rot of peach.
B. Gray mold rot of peach.
C. Physiological spot of "scab" of apricot.
D. California blight of peach.
E. Brown rot of plum.
*No. 45. Peach diseases. 7¼ by 12 inches. Colored. 5¢.
A. Brown rot.
B. Brown rot; longitudinal section.
C. Rhizopus rot.
D. Rhizopus rot; longitudinal section.
*No. 46. Peach and plum diseases. 7¼ by 12 inches. Colored. 5¢.
A. Peach, spotting of skin after storage at 32° F. for 3 weeks and 70° F. for 3 days.
B. Peach, internal break-down after storage at 40° F. for 2 weeks and 70° F. for 3 days.
C. Peach, hail injury.
D, E. Plum russet caused by thrips.

Insects and Other Pests: Peaches**Farmers' Bulletins:**

- 1246 F. The peach borer: How to prevent or lessen its ravages; the paradichlorobenzene treatment. 5¢.
1861 F. Insect pests of the peach. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Technical Bulletins:

- *183 T. Life history of the oriental peach moth at Riverton, N. J., in relation to temperature. 10¢.
- *188 T. Life history and habits of the plum curculio in the Georgia peach belt. 25¢.

Marketing: Peaches**Farmers' Bulletins:**

- 1702 F. Preparing peaches for market. 5¢.

Technical Bulletins:

- *115 T. Factors affecting the price of peaches in the New York City market. 15¢.
- 680 T. Effect of storage temperatures on peaches. 5¢.

PEARS*(See also Fruits—General)***Farmers' Bulletins:**

- 1739 F. Pear growing in the Pacific Coast States. 5¢.
- 1796 F. Handling and preparing the Kieffer pear for use as food. 5¢.

Circulars:

- *450 C. Drying Kieffer pears and the use of the dried product. 5¢.
- 627 C. Fruit pressure testers and their practical applications. 5¢.

Technical Bulletins:

- 290 T. Investigations on harvesting and handling fall and winter pears. 15¢.
- 432 T. Studies of the irrigation of pear orchards on heavy soil near Medford, Oregon. 5¢.
- 450 T. Relation of maturity and handling of Bartlett pears in the Pacific Northwest to quality of the canned product. 5¢.
- *590 T. Certain chemical and physical changes produced in Kieffer pears during ripening and storage. 10¢.
- 592 T. Factors affecting the rate of drying of Kieffer pears. 5¢.
- 759 T. Physiological investigations on fall and winter pears in the Pacific Northwest. 15¢.

Yearbook Separates:

- *1586 Y. Breeding apples and pears. (1937.) 10¢.

Diseases: Pears**Leaflets:**

- 187 L. Blight of apples, pears, and quinces. 5¢.

Miscellaneous Publications:

- *168 MP. Market diseases of fruits and vegetables: Apples, pears, quinces. 40¢.

Posters:

- *No. 38. Pear diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Gray-mold rot on Winter Nelis.
 - B. Rhizopus rot on Bartlett.
 - C. Black rot.
 - D. Blue-mold rot on Anjou.
 - E. Brown rot on Kieffer.
- *No. 39. Pear diseases. 7¼ by 12 inches. Colored. 5¢.
 - A, B. Scab on Bartlett.
 - C. Pink-mold rot following scab, on Bartlett.
 - D. Black spot.
 - E. Black spot on quince.
- *No. 40. Pear injuries. 7¼ by 12 inches. Colored. 5¢.
 - A, B. Transit bruising on Anjou. Pear from floor box.
 - C. Injury caused by bruise or rub on Anjou.
 - D. Core break-down on Anjou.
- *No. 41. Pear injuries. 7¼ by 12 inches. Colored. 5¢.
 - A. Smothering injury on Bartlett.
 - B. Injury caused by long exposure to temperatures only slightly below the freezing point. Bartlett.
 - C. Injury caused by sodium silicate in corrugated paper lining of boxes.
 - D. Anjou scald.
 - E. Injury caused by copper-treated wrapper on Anjou.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Posters—Continued.

- *No. 42. Apple and pear injuries. 7¼ by 12 inches. Colored. 5¢.
 A. Spotting caused by San Jose scale.
 B. Codling moth sting injury.
 C. D. Stigmonose injury.
 E. Rosy apple aphid injury.
 F. Pear leaf blister mite injury.
 G. Pansy spot injury on McIntosh.

Marketing: Pears

(See also Department Organization: Laws—Rules—Regulations)

Technical Bulletins:

- 290 T. Investigations on harvesting and handling fall and winter pears. 15¢.
 434 T. Refrigerated transportation of Bartlett pears from the Pacific Northwest. 5¢.
 *550 T. Protection of apples and pears in transit from the Pacific Northwest during the winter months. 10¢.

OTHER FRUITS

(See also Fruits—General)

Farmers' Bulletins:

- 685 F. The native persimmon. 5¢.
 776 F. Growing cherries east of the Rocky Mountains. 5¢.
 1031 F. Fig growing in the South Atlantic and Gulf States. 5¢.
 1249 F. Olive growing in the southwestern United States. 5¢.
 1372 F. Plum and prune growing in the Pacific States. 10¢.

Leaflets:

- 158 L. Quince growing. 5¢.
 170 L. Date growing in the United States. 5¢.
 179 L. The native papaw. 5¢.
 194 L. The oriental persimmon. 5¢.

Circulars:

- *49 C. Culture and outdoor winter storage of persimmons in the vicinity of Peking, China. 5¢.
 552 C. Seven new peaches and a new plum for the Western States. 5¢.
 *620 C. Avocado production in the United States. 10¢.
 627 C. Fruit pressure testers and their practical applications.
 631 C. Protein-digesting enzymes of papaya and pineapple. 5¢.

Department Bulletins:

- *271 D. Dates of Egypt and the Sudan. 20¢.
 *1215 D. The Chinese jujube. 5¢.
 *1457 D. Date culture in Egypt and the Sudan. 25¢.
 *1477 D. Varietal characteristics of plums in the Pacific States in relation to pruning. 45¢.

Department Circulars:

- *416 DC. Demand, marketing, and production of Oregon and Washington prunes. 10¢.

Miscellaneous Publications:

- 27 MP. Black currant spreads white pine blister rust.

Technical Bulletins:

- 746 T. Quality of irrigation waters of the Hollister area of California with special reference to boron content and its effect on apricots and prunes. 20¢.

Yearbook Separates:

- *592 Y. Some results obtained in studying ripening bananas with the respiration calorimeter. (1912.) 5¢.
 *1588 Y. Improvement of stone fruits. (1937.) 15¢.
 1589 Y. Improvement of subtropical fruit crops. (1937.) 15¢.

Diseases: Other Fruits**Farmers' Bulletins:**

- 1053 F. Control of cherry leaf spot. 5¢.
 *1410 F. Control of brown rot of prunes and cherries in the Pacific Northwest. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Leaflets:

- 187 L. Blight of apples, pears, and quinces. 5¢.

Circulars:

- 511 C. Control of black rot of pineapples in transit. 5¢.
582 C. Avocado diseases in Florida. 10¢.

Department Bulletins:

- *368 D. Brown rot of prunes and cherries in the Pacific Northwest. 5¢.
*1252 D. Prune and cherry brown-rot investigations in the Pacific Northwest. 10¢.

Miscellaneous Publications:

- *168 MP. Market diseases of fruits and vegetables: Apples, pears, quinces. 40¢.

Posters:

- *No. 44. Stone fruit diseases. 7¼ by 12 inches. Colored. 5¢.
A. Blue mold rot of peach.
B. Gray mold rot of peach.
C. Physiological spot of "scab" of apricot.
D. California blight of peach.
E. Brown rot of plum.
*No. 46. Peach and plum diseases. 7¼ by 12 inches. Colored. 5¢.
A. Peach, spotting of skin after storage at 32° F. for 3 weeks and 70° F. for 3 days.
B. Peach, internal breakdown after storage at 40° F. for 2 weeks and 70° F. for 3 days.
C. Peach, hail injury.
D, E. Plum russet caused by thrips.
*No. 47. Plum disease. 7¼ by 12 inches. Colored. 5¢.
A, B, C, D. Drought injury of prune.
E. Rhizopus rot of plum.
*No. 48. Cherry diseases. 7¼ by 12 inches. Colored. 5¢.
A, B. Cladosporium rot.
C. Brown rot.
D. Blue mold rot.
E, F. Cracking.
G. Brown rot.

Insects and Other Pests: Other Fruits**Farmers' Bulletins:**

- 1128 F. Control of aphids injurious to orchard fruits, currant, gooseberry, and grape. 5¢.
*1257 F. Insects injurious to the mango in Florida and how to combat them. 5¢.
*1261 F. The avocado: Its insect enemies and how to combat them. 5¢.

Leaflets:

- 161 L. The eastern tent caterpillar. 5¢.

Circulars:

- *157 C. Fig insects in California. 20¢.
606 C. Observations on the biology and control of the treehopper *Heliria praealta* (Fowler) in orchards of the Pacific Northwest. 10¢.

Miscellaneous Publications:

- 433 MP. Eradication of the parlatoria date scale in the United States. 10¢.

Technical Bulletins:

- *188 T. Life history and habits of the plum curculio in the Georgia peach belt. 25¢.
*404 T. The external anatomy of the red date scale, *Phoenicococcus marlatti* Cockerell, and its allies. 15¢.
*421 T. The external anatomy of the Parlatoria date scale, *Parlatoria blanchardi* Targioni Tozzetti, with studies of the head skeleton and associated parts. 10¢.

Marketing: Other Fruits**Circulars:**

- 553 C. Handling and storing small lots of dates at home. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Department Circulars:

- *416 D.C. Demand, marketing, and production of Oregon and Washington prunes. 10¢.

Technical Bulletins:

- *193 T. Experiments on processing and storing of Deglet Noor dates in California. 15¢.
631 T. The storage of sweet cherries as influenced by carbon dioxide and volatile fungicides. 5¢.

▲▲ GRAINS

(See also Crop Culture—General; Seeds; Weeds; and specific crop)

▲▲ GENERAL**Farmers' Bulletins:**

- *1542 F. Cleaning grain on farms and in country elevators. 5¢.
1556 F. Irrigation of small grains. 5¢.
1725 F. ▲Methods and costs of filling silos in the North Central States. 5¢.
1761 F. ▲Harvesting with combines. 5¢.

Circulars:

- 470 C. Performance characteristics of 5- and 6-foot combines. 10¢.

Department Bulletins:

- *1203 D. Experimental production of straw gas. 5¢.
*1373 D. Dust control in grain elevators. 10¢.
1375 D. The Brown-Duvel moisture tester and how to operate it. 10¢.

Miscellaneous Circulars:

- *56 M.C. Cleaning grain with the Bates aspirator. 10¢.

Miscellaneous Publications

- 219 M.P. Treat seed grain. 5¢.
330 M.P. The Minnesota seed-grain treater. 5¢.
437 M.P. ▲Testing farm seeds in home and school. 15¢.

Yearbook Separates:

- *1557 Y. Grain crops. (Genetics.) (1936.) 35¢.

Diseases: Grains—General

(See also under specific crop)

Circulars:

- 341 C. The rusts of cereal crops. 5¢.
*442 C. Mosaic diseases of wheat and related cereals. 5¢.
*576 C. The use of chlorine gas as a seed disinfectant. 5¢.

Department Bulletins:

- *1162 D. The role of the genus *Rhymnus* in the dissemination of crown rust. 5¢.

Technical Bulletins:

- *266 T. Morphologic and physiologic studies on stem-rust resistance in cereals. 15¢.
*314 T. Factors affecting the development of the aecial stage of *Puccinia graminis*. 10¢.
*428 T. Cercospora foot rot of winter cereals. 10¢.

Insects and Other Pests: Grains—General

(See also under specific crop)

Farmers' Bulletins:

- 739 F. Outworms and their control in corn and other cereal crops. 5¢.
752 F. The fall army worm, or "grass worm," and its control. 5¢.
*835 F. How to detect outbreaks of insects and save the grain crops. 5¢.
1003 F. How to control billbugs destructive to cereal and forage crops. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Farmers' Bulletins—Continued.

- *1156 F. Angoumois grain moth. 5¢
- 1217 F. The green-bug or spring grain-aphis: How to prevent its periodical outbreaks. 5¢.
- 1258 F. Webworms injurious to cereal and forage crops and their control. 5¢.
- 1260 F. Stored-grain pests. 10¢.
- 1627 F. The hessian fly and how losses from it can be avoided. 5¢.
- 1657 F. The Great Basin wireworm in the Pacific Northwest. 5¢.
- 1780 F. How to fight the chinch bug. 10¢.
- 1798 F. Control of common white grubs in cereal and forage crops. 5¢.
- 1811 F. Control of insects attacking grain in farm storage. 10¢.
- 1828 F. Grasshoppers and their control. 10¢.
- 1850 F. The armyworm and its control. 5¢.
- 1880 F. Control of insect pests of grain in elevator storage. 5¢.

Leaflets:

- 195 L. Mealworms. 5¢.

Circulars:

- *241 C. Leaf hoppers injurious to cereal and forage crops. 5¢.
- 390 C. Flour-mill insects and their control. 5¢.
- 494 C. The Texas leaf-cutting ant and its control. 5¢.
- 508 C. The comparative attractiveness of various small grains to the chinch bug. 5¢.

Department Bulletins:

- *779 D. The grain bug. 5¢.
- *1008 D. Rate of multiplication of the hessian fly. 5¢.

Miscellaneous Publications:

- *174 MP. The serphoid and chalcidoid parasites of the hessian fly. 10¢.
- *258 MP. Annotated list of the insects and mites associated with stored grain and cereal products, and of their Arthropod parasites and predators. 10¢.

Technical Bulletins:

- *81 T. The hessian fly in California. 5¢.
- *95 T. The mealworms. 10¢.
- *351 T. Life history of the Angoumois grain moth in Maryland. 5¢.
- *361 T. The hessian fly in the Pacific Northwest. 5¢.
- *498 T. The flour beetles of the genus *Tribolium*. 10¢.
- *518 T. A second revision of the chalcid flies of the genus *Harmolita* (*Isosoma*) of America north of Mexico, with descriptions of 20 new species. 5¢.

Marketing: Grains—General

(See also Bureau List: Agricultural Marketing Administration)

Farmers' Bulletins:

- 1636 F. Farm bulk storage for small grains. 5¢.

Circulars:

- 161 C. Bulk and sack handling of grain in the Pacific Coast States. 10¢.

Miscellaneous Publications:

- 325 MP. Grain grading primer. 10¢.
- 328 MP. The service of Federal grain standards. 5¢.

Separates from Agricultural Statistics:

- 1 SAS. Statistics of grains. (1936.)
- 41 SAS. Statistics of grains. (1940.) 15¢.
- *51 SAS. Statistics of grains. (1941.) 15¢.

Technical Bulletins:

- 287 T. Farm-management problems in shifting from sack to bulk handling of grain in the Pacific Northwest. 15¢.
- 747 T. Grain prices and the futures market: A 15-year survey, 1923-1938. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Yearbook Separates:

- *932 Y. Statistics of grains. (1927.) 15¢.
- *1103 Y. Statistics of grains. (1930.) 10¢.
- *1148 Y. Statistics of grains. (1931.) 15¢.
- *1478 Y. Statistics of grains. (1935.) 10¢.

Unnumbered:

Handbook of official grain standards of the United States.

▲▲ BARLEY

(See also Grains—General)

Farmers' Bulletins:

- 1732 F. ▲ Growing barley for malt and feed. 5¢.

Technical Bulletins:

- *341 T. Effects of certain environmental factors on stripe disease of barley and the control of the disease by seed treatment. 5¢.
- *446 T. Yields of barley in the United States and Canada, 1927-31. 10¢.
- *720 T. A study of methods in barley breeding. 5¢.
- *735 T. Yields of barley varieties in the United States and Canada, 1932-36. 10¢.

Yearbook Separates:

- 1571 Y. Problems and results in barley breeding. (1936.) 10¢.
- 1803 Y. Climate and small grains. (1941.) 5¢.

Diseases: Barley**Circulars:**

- *501 C. Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest. 5¢.

Miscellaneous Publications:

- 131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.) 5¢.
- 199 MP. Barley diseases controlled by seed treatment. 5¢.

Technical Bulletins:

- *341 T. Effects of certain environmental factors on stripe disease of barley and the control of the disease by seed treatment. 5¢.
- *513 T. Further experiments on the control of barley smuts. 5¢.
- *720 T. A study of methods in barley breeding. 5¢.

▲▲ CORN

(See also Grains—General)

Farmers' Bulletins:

- 948 F. The rag-doll seed tester: Its use in determining what ears of corn are fit for seed. 5¢.
- 1589 F. The husker-shredder on eastern Corn Belt farms. 5¢.
- 1634 F. Growing sweet corn for the cannery. 5¢.
- 1679 F. Popcorn. 5¢.
- 1701 F. Corneribs for the Corn Belt. 5¢.
- 1714 F. ▲ Corn culture. 5¢.
- 1715 F. Methods and costs of husking corn in the field. 5¢.
- 1725 F. Methods and costs of filling silos in the North Central States. 5¢.
- 1744 F. The what and how of hybrid corn. 5¢.
- 1816 F. Mechanizing the corn harvest. 5¢.
- 1822 F. ▲ Seed corn. 5¢.

Circulars:

- 592 C. Machinery for growing corn. 5¢.
- 603 C. Estimating the quantity of settled corn silage in a silo. 5¢.

Department Bulletins:

- *1062 D. Relation of the character of the endosperm to the susceptibility of dent corn to root rotting. 5¢.
- *1321 D. A statistical study of the relation between seed-ear characters and productiveness in corn. 5¢.
- *1354 D. The productiveness of successive generations of self-fertilized lines of corn and of crosses between them. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Miscellaneous Publications:

- *212 MP. A low-cutting sled corn cutter. 5¢.

Technical Bulletins:

- *292 T. The inheritance of colored scutellums in maize. 10¢.
 *583 T. Experiments on breeding corn resistant to the European corn borer. 10¢.

Yearbook Separates:

- *772 Y. The thrashing ring in the Corn Belt. (1918.) 5¢.
 1606 Y. Popcorn breeding. (1937.) 5¢.
 1802 Y. Influence of climate and weather on growth of corn. (1941.) 5¢.

Diseases: Corn**Farmers' Bulletins:**

- *1124 F. The brown-spot of corn with suggestions for its control. 5¢.
 1878 F. Bacterial wilt of corn. 5¢.

Technical Bulletins:

- *10 T. The productivity of corn as influenced by the mosaic disease. 5¢.
 *120 T. Relation of husk covering to smut of corn ears. 5¢.
 *362 T. Bacterial wilt of corn. 5¢.

Posters:

- *No. 14. Corn diseases. 7¼ by 12 inches. Colored. 5¢.
 A. Diplodia seedling blight.
 B. Gibberella seedling blight.
 *No. 15. Corn diseases. 7¼ by 12 inches. Colored. 5¢.
 A, B. Healthy germinating kernels.
 C, D, E. Germinating kernels infected with Cephalosporium.
 F, G, H. Germinating kernels infected with Fusarium.

Insects and Other Pests: Corn

(See also Puerto Rico)

Farmers' Bulletins:

- 875 F. The rough-headed corn stalk-beetle in the Southern States and its control. 5¢.
 891 F. The corn root-aphis and methods of controlling it. 5¢.
 *915 F. How to reduce weevil waste in southern corn. 5¢.
 950 F. The southern corn rootworm and farm practices to control it. 5¢.
 1025 F. The larger corn stalk-borer. 5¢.
 *1206 F. The corn earworm as an enemy of vetch. 5¢.
 1548 F. The European corn borer: Its present status and methods of control. 10¢.
 1562 F. Farm practices under corn-borer conditions. 5¢.
 1651 F. The corn earworm as an enemy of field corn in the Eastern States. 5¢.
 1662 F. Husker-shredders in corn-borer control. 5¢.
 1681 F. Adjusting Corn Belt farming to meet corn-borer conditions. 5¢.
 1884 F. The sugarcane borer. 5¢.

Leaflets:

- 212 L. The sand wireworm. 5¢.

Circulars:

- *14 C. Status of imported parasites of the European corn borer. 5¢.
 *71 C. Heat and time of exposure necessary to kill larvae of the European corn borer in ear corn. 5¢.
 *132 C. Fighting the corn borer with machinery in the two-generation area. 15¢.
 *194 C. Manure piles and feed lots as sources of European corn borer reinfestation. 5¢.
 *281 C. The survival of European corn-borer larvae in barns and other storage places. 5¢.
 *289 C. Observations on the European corn borer and its major parasites in the Orient. 5¢.
 321 C. Use of farm machinery for corn-borer control in the one-generation area. 5¢.

Department Bulletins:

- *1267 D. The rough-headed corn stalk-beetle. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Technical Bulletins:

- *59 T. The European corn borer and its controlling factors in Europe. 10¢.
- *77 T. The host plants of the European corn borer in New England. 30¢.
- 230 T. *Macrocentrus gifuensis* Ashmead, a polyembryonic braconid parasite in the European corn borer. 15¢.
- 233 T. *Apanteles thompsoni* Lyle, a braconid parasite of the European corn borer. 10¢.
- 294 T. The biology and morphology of the braconid *Chelonus annulipes* Wesm., a parasite of the European corn borer. 10¢.
- *306 T. Biology and control of the corn leaf aphid with special reference to the southwestern States. 5¢.
- *388 T. The southwestern corn borer. 10¢.
- *395 T. Subfreezing temperatures lethal to the European corn borer infesting green ears of sweet corn. 5¢.
- 441 T. The biology of *Cremastus flavo-orbitalis* (Cameron), an ichneumonid parasite of the European corn borer. 5¢.
- *455 T. The European corn borer and its controlling factors in the Orient. 5¢.
- *460 T. Studies of *Exeristes roborator* (Fab.), a parasite of the European corn borer in the Lake Erie area. 5¢.
- *499 T. The cannibalistic habits of the corn earworm. 5¢.
- *504 T. *Orius insidiosus* (Say), an important natural enemy of the corn earworm. 5¢.
- *561 T. The effectiveness of cultivation as a control for the corn earworm. 5¢.
- 659 T. The sand wireworm and its control in the South Carolina Coastal Plain. 10¢.
- 791 T. Hibernation of the corn earworm in southeastern Georgia. 5¢.

Picture Sheets:

- No. 11. Corn earworm. 5¾ by 9¼ inches. Colored. 5¢.

Posters:

- Help fight the European corn borer. 21 by 32 inches. Colored.

Marketing: Corn**Circulars:**

- 397 C. Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934. 5¢.

Department Bulletins:

- *764 D. Factors influencing the carrying qualities of American export corn. 20¢.

Statistical Bulletins:

- 34 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1921, to December 31, 1929. 35¢.
- 43 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932. 10¢.
- 55 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935. 15¢.
- 74 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1936, to December 30, 1939. 15¢.

Technical Bulletins:

- *199 T. Trading in corn futures. 20¢.
- 644 T. The chemical determination of soundness in corn. 5¢.

▲▲ OATS

(See also Grains—General)

Farmers' Bulletins:

- 1581 F. ▲ Oats in the North Central States. 5¢.
- 1583 F. ▲ Spring-sown red oats. 5¢.
- 1611 F. ▲ Oats in the western half of the United States. 5¢.
- 1640 F. ▲ Fall-sown oat production. 5¢.
- 1659 F. ▲ Oats in the Northeastern States. 5¢.

Circulars:

- 562 C. Maintaining identity and pure seed of southern oat varieties. 5¢.
- 622 C. The comparative winter hardiness of oat varieties. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Department Bulletins:

- *1058 D. Sterility of oats. 5¢.

Yearbook Separates:

- 1572 Y. Superior germ plasm in oats. (1936.) 10¢.

Diseases: Oats**Circulars:**

- *133 C. Methods of eradicating buckthorn (*Rhamnus*) susceptible to crown rust (*Puccinia coronata*) of oats. 10¢.

Miscellaneous Publications:

- *21 MP. Formaldehyde seed treatment for oat smuts. 5¢.
131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.) 5¢.

Technical Bulletins:

- 422 T. Field studies on resistance of hybrid selections of oats to covered and loose smuts. 5¢.
568 T. Seed treatment experiments with oats naturally and artificially inoculated with smuts. 5¢.

▲▲ RICE**Farmers' Bulletins:**

- 1240 F. ▲How to grow rice in the Sacramento Valley. 5¢.
1808 F. ▲Rice culture in the Southern States. 5¢.

Leaflets:

- 148 L. When to cut rice. 5¢.

Circulars:

- 48 C. Improved apparatus and method for making "shellings" of rough rice. 10¢.
292 C. Artificial drying of rice on the farm. 5¢.
340 C. Effect of parboiling rough rice on milling quality. 5¢.
484 C. Effect of date of harvest on yield and milling quality of rice. 5¢.
612 C. Rice varieties and their comparative yields in the United States. 10¢.

Department Bulletins:

- *1127 D. Some new varieties of rice. 10¢.
*1155 D. Rice experiments at the Biggs Rice Field Station in California. 10¢.
*1356 D. Experiments in rice production in southwestern Louisiana. 10¢.

Miscellaneous Publications:

- 132 MP. Rice and its by-products for feeding livestock. 5¢.

Technical Bulletins:

- 718 T. Fertilizer experiments with rice in California. 5¢.

Yearbook Separates:

- 1573 Y. Improvement in rice. (1936.) 10¢.
1803 Y. Climate and small grains. (1941.) 5¢.

Diseases: Rice**Farmers' Bulletins:**

- 1212 F. Straighthead of rice and its control. 5¢.
1854 F. Diseases of rice. 5¢.

Department Bulletins:

- *1116 D. Seedling blight and stack-burn of rice and the hot-water seed treatment. 10¢.

Technical Bulletins:

- 540 T. Fungi isolated from discolored rice kernels. 5¢.
772 T. Inheritance in rice of reaction to *Helminthosporium oryzae* and *Cercospora oryzae*. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Insects and Other Pests: Rice**Farmers' Bulletins:**

- 1543 F. Insects injurious to the rice crop. 5¢.
1884 F. The sugar cane borer 5¢.

Circulars:

- 602 C. Field infestation by insects that injure rice in storage. 5¢.

Marketing: Rice**Farmers' Bulletins:**

- 1420 F. Handling rough rice to produce high grades. 5¢.

Technical Bulletins:

- 297 T. Factors affecting the price of rice. 5¢.

RYE

(See also Grain—General)

Diseases: Rye**Farmers' Bulletins:**

- 1607 F. The nematode disease of wheat and rye. 5¢.

Circulars:

- *501 C. Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest. 5¢.

Miscellaneous Publications:

- 131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.) 5¢.

▲▲ SORGHUMS

(See also Grains—General)

Farmers' Bulletins:

- 1126 F. Sudan grass. 5¢.
*1577 F. Harvesting grain sorghums. 5¢.
1597 F. The production of Johnson grass for hay and pasturage. 5¢.
1619 F. ▲Sorgo for sirup production: Culture, harvesting, and handling. 5¢.
1631 F. Broomcorn growing and handling. 5¢.
1764 F. ▲Growing and feeding grain sorghums. 5¢.
1844 F. ▲The culture and use of sorghums for forage. 10¢.

Circulars:

- *477 C. Winter wheat and sorghum production in the southern Great Plains under limited rainfall. 10¢.

Technical Bulletins:

- *51 T. Broomcorn experiments at the United States Dry-Land Field Station, Woodward, Okla. 10¢.
*100 T. Respiration of sorghum grains. 5¢.
*347 T. An economic study of broomcorn production. 5¢.
*585 T. Resistance of sorghums to the chinch bug. 15¢.

Yearbook Separates:

- *1575 Y. Sorghum improvement. (1936.) 10¢.
1804 Y. Climate and sorghum. 5¢.

Insects and Other Pests: Sorghums**Farmers' Bulletins:**

- 1566 F. The sorghum midge, with suggestions for control. 5¢.
1884 F. The sugarcane borer. 5¢.

Technical Bulletins:

- 778 T. The biology and control of the sorghum midge. 10¢.

WHEAT

(See also Grains—General)

Farmers' Bulletins:

- *1047 F. Dry farming for better wheat yields. 5¢.
*1340 F. Polish and Poulard wheats. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Farmers' Bulletins—Continued.

- *1545 F. Dry farming methods and practices in wheat growing in Columbia and Snake River Basins. 5¢.
- *1621 F. Varieties of hard red spring wheat. 5¢.
- 1706 F. Varieties of durum wheat. 5¢.
- 1707 F. Varieties of common white wheat. 5¢.
- 1708 F. Varieties of club wheat. 5¢.
- 1806 F. Hard red winter wheat varieties. 5¢.
- 1817 F. Growing wheat in the eastern United States. 10¢.

Leaflets:

- *33 L. The combination cleaning and treating of seed wheat. 5¢.

Circulars:

- *325 C. Field experiments with vernalized wheat. 5¢.
- *477 C. Winter wheat and sorghum production in the southern Great Plains under limited rainfall. 10¢.
- 544 C. Methods of ventilating wheat in farm storages. 15¢.
- 563 C. Relation of the depth to which the soil is wet at seeding time to the yield of spring wheat on the Great Plains. 5¢.

Department Bulletins:

- *557 D. A comparison of several classes of American wheats and a consideration of some factors influencing quality. 5¢.
- *1139 D. Storage of water in soil and its utilization by spring wheat. 5¢.
- *1192 D. Improvement of Kubanka durum wheat by pure line selection. 5¢.
- *1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10¢.
- *1460 D. Testing wheat for protein with a recommended method for making the test. 5¢.

Miscellaneous Circulars:

- *95 MC. Unclean seed wheat causes loss of millions: To control the losses, clean all seed wheat. 5¢.

Miscellaneous Publications:

- *95 MP. The world wheat outlook, 1930, and facts that farmers should consider. 10¢.
- 140 MP. Protein tests for wheat and oil tests for flaxseed and soybeans. 10¢.

Technical Bulletins:

- *39 T. Inheritance of awniness, yield, and quality in crosses between Bobs, Hard Federation, and Propo wheats at Davis, Calif. 10¢.
- *136 T. Breeding hard red winter wheats for winter hardiness and high yield. 5¢.
- *218 T. Inheritance of winter hardiness, growth habit, and stem rust reaction in crosses between Minhardi winter and H-44 spring wheats. 15¢.
- *329 T. Experiments in wheat production on the dry lands of Oregon, Washington, and Utah. 10¢.
- *459 T. Classification of wheat varieties grown in the United States. 25¢.
- 636 T. Correlations between annual precipitation and the yield of spring wheat in the Great Plains. 5¢.
- *761 T. Seasonal distribution of rainfall in relation to yield of winter wheat. 5¢.

Yearbook Separates:

- *846 Y. The cost of a bushel of wheat. (1920.) 5¢.
- 1570 Y. Improvement in wheat. (1936.) 10¢.
- 1803 Y. Climate and small grains. (1941.) 5¢.

Diseases: Wheat**Farmers' Bulletins:**

- *1414 F. The rosette disease of wheat and its control. 5¢.
- 1607 F. The nematode disease of wheat and rye. 5¢.
- 1711 F. Wheat smuts and their control. 5¢.

Circulars:

- 81 C. Removing smut from Pacific Northwest wheat by washing. 5¢.
- 361 C. Removing smut balls from seed wheat. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Circulars—Continued.

- *442 C. Mosaic diseases of wheat and related cereals. 5¢.
- 451 C. Influence of climatological factors in the development of cercospora foot rot of winter wheat. 10¢.
- *501 C. Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest. 5¢.

Department Bulletins:

- *1137 D. Symptoms of wheat rosettes compared with those produced by certain insects. 5¢.
- *1210 D. Summary of literature on bunt, or stinking smut, of wheat. 10¢.
- *1299 D. Relative resistance of wheat to bunt in the Pacific Coast States. 5¢.

Department Circulars:

- *365 DC. Relative susceptibility of spring-wheat varieties to stem rust. 5¢.
- *424 DC. Further studies on flag smut of wheat. 5¢.

Miscellaneous Publications:

- 131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.) 5¢.

Technical Bulletins:

- *300 T. Susceptibility and resistance of *Berberis* and related genera to *Puccinia graminis*. 10¢.
- 313 T. Studies on physiologic specialization in *Puccinia trititina*. 10¢.
- *314 T. Factors affecting the development of the aecial stage of *Puccinia graminis*. 10¢.
- *385 T. Inheritance of stem-rust reaction and correlation of characters in Pentad, Nodak, and Akrona durum-wheat crosses. 5¢.
- 433 T. Physiologic specialization in *Puccinia coronata avenae*. 5¢.
- *582 T. Studies on bunt, or stinking smut, of wheat and its control. 10¢.

Yearbook Separates:

- 1364 Y. Wheat is attacked by rusts, smuts, and other destructive diseases. (1933.) 5¢.

Insects and Other Pests: Wheat**Farmers' Bulletins:**

- 1006 F. The wheat jointworm and its control. 5¢.
- 1323 F. The wheat strawworm and its control. 5¢.

Circulars:

- 607 C. The black grain stem sawfly and the European wheat stem sawfly in the United States. 5¢.

Department Bulletins:

- *1137 D. Symptoms of wheat rosette compared with those produced by certain insects. 5¢.

Technical Bulletins:

- 784 T. The wheat jointworm in Oregon, with special reference to its dispersion, injury, and parasitization. 10¢.

Marketing: Wheat

(See also Bureau List: Agricultural Conservation and Adjustment Administration—Agricultural Adjustment Agency)

Circulars:

- 397 C. Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934. 5¢.
- 587 C. Temperatures of wheat in experimental farm-type storages. 10¢.

Miscellaneous Publications:

- 187 MP. Inspection of United States wheat exported through Canadian ports. 5¢.

Statistical Bulletins:

- 41 S. Wheat futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932. 10¢.
- 54 S. Wheat futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935. 15¢.
- 72 S. Wheat futures: Volume of trading, open contracts and prices from January 2, 1936, to December 31, 1938. 15¢.

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Technical Bulletins:

- 535 T. Wheat requirements in Europe. (Especially pertaining to quality and type, and to milling and baking practices.) 15¢

▲▲ OTHER GRAINS

(See also Grains—General)

Farmers' Bulletins:

- 1162 F. Proso, or hog millet. 5¢.
1429 F. Emmer and spelt. 5¢.
1631 F. Broomcorn: Growing and handling. 5¢.
1679 F. Popcorn. 5¢.
1835 F. Growing buckwheat. 5¢.

Circulars:

- *190 C. Buckwheat milling and its byproducts. 5¢.

Department Bulletins:

- *1197 D. Experiments with emmer, spelt, and einkorn. 10¢.

Technical Bulletins:

- *51 T. Broomcorn experiments at the United States Dry-Land Field Station, Woodward, Okla. 10¢.
*347 T. An economic study of broomcorn production. 5¢.

Yearbook Separates:

- 1803 Y. Climate and small grains. (1941.) 5¢.

Marketing: Other Grains

(See also Department Organization: Laws—Rules—Regulations)

Farmers' Bulletins:

- 1631 F. Broomcorn: Growing and handling. 5¢.

MUSHROOMS

Farmers' Bulletins:

- 1875 F. Mushroom growing in the United States. 10¢.

Circulars:

- *143 C. Some common mushrooms and how to know them. 20¢.
*509 C. Mushroom casing soil in relation to yield. 5¢.
*609 C. Indoor composting for mushroom culture. 5¢.

Insects and Other Pests: Mushrooms

Circulars:

- 457 C. Mushroom pests and their control. 10¢.

NUTS AND NUT TREES

Farmers' Bulletins:

- 1392 F. Black walnut for timber and nuts. 5¢.
1501 F. Nut-tree propagation. 5¢.
1656 F. Peanut growing. 5¢.

Leaflets:

- 71 L. Fertilizers for pecan soils. 5¢.
84 L. Planting black walnut. 5¢.
202 L. Grafting-wax melter. 5¢.

BAE-Ext Fliers:

- 3 BAE-Ext. Peanut oil and the War.

Circulars:

- 492 C. Pecan soils of the Gulf and Southeastern States and maintenance of their fertility. 10¢.
542 C. Two new varieties of almond: The Jordanolo and the Harpareil. 5¢.
545 C. Pecan grafting methods and waxes. 5¢.

Department Bulletins:

- *1413 D. Cocoa byproducts and their utilization as fertilizer materials. 10¢.

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United States Department of Agriculture.

Miscellaneous Publications:

- 302 MP. Nuts and ways to use them. 5¢.

Technical Bulletins:

- *257 T. Deterioration of chestnut in the southern Appalachians. 10¢.
324 T. An economic study of the pecan industry. 10¢.

Yearbook Separates:

- *1590 Y. Nut breeding. (1937.) 10¢.
1808 Y. Climatic adaptation of fruit and nut crops. (1941.) 5¢

Diseases: Nuts and Nut Trees**Farmers' Bulletins:**

- *1641 F. Chestnut blight. 5¢.
1829 F. Insects and diseases of the pecan and their control. 10¢.

Department Bulletins:

- *380 D. *Endothia parasitica* and related species. 35¢.
*1102 D. Kernel-spot of the pecan and its cause. 5¢.
*1378 D. Relation of soil conditions and orchard management to the rosette of pecan trees. 10¢.

Insects and Other Pests: Nuts and Nut Trees**Farmers' Bulletins:**

- 1829 F. Insects and diseases of the pecan and their control. 10¢.

Circulars:

- *234 C. Black pit of the pecan and some insects causing it. 5¢.
295 C. The obscure scale on the pecan and its control. 5¢.

Technical Bulletins:

- *130 T. The chestnut cureulios. 10¢.

Marketing: Nuts and Nut Trees**Miscellaneous Publications:**

- 416 MP. Marketing peanuts and peanut products. 20¢.

Separates from Agricultural Statistics:

- *23 SAS. Statistics of fruits, vegetables, and tree nuts. (1938.) 15¢.
43 SAS. Statistics of fruits, vegetables, and tree nuts. (1940.) 15¢.
53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)

Technical Bulletins:

- 770 T. Investigations on the storage of nuts. 10¢.

ORNAMENTAL PLANTS AND TREES

(See also Crop Culture—General; Forestry; Seeds; and Weeds)

Farmers' Bulletins:

- 750 F. Roses for the home. 5¢.
1087 F. Beautifying the farmstead. 5¢.
1171 F. Growing annual flowering plants. 10¢.
*1208 F. Trees for town and city streets. 5¢.
1381 F. Herbaceous perennials. 10¢.
*1406 F. Garden irises. 5¢.
*1481 F. Planting the roadside. 5¢.
1567 F. Propagation of trees and shrubs. 5¢.
1677 F. Planting and care of lawns. 5¢.
1726 F. Treatment and care of tree wounds. 5¢.
1826 F. Care of ornamental trees and shrubs. 10¢.
1827 F. Culture and diseases of delphiniums. 5¢.
1849 F. Useful and ornamental gourds. 5¢.
1855 F. Culture, diseases and pests of the box tree. 5¢.
1872 F. House plants. 5¢.

Leaflets:

- 90 L. Rockeries. 5¢.
199 L. Gardenia culture. 5¢.
202 L. Grafting-wax melter. 5¢.
206 L. Culture of orchids. 5¢.

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Circulars:

- 122 C. Daffodils. 10¢.
 215 C. Commercial forcing of lilies-of-the-valley. 10¢.
 *299 C. Some hybrid Martagon lilies. 20¢.
 313 C. The oriental flowering cherries. 10¢.
 367 C. Speeding up flowering in the daffodil and the bulbous iris. 5¢.
 372 C. Tulips. 10¢.
 497 C. Composition of the rhizome, stem, and leaf of some horticultural forms of canna in relation to their possible use. 5¢.
 528 C. New chrysanthemums. 5¢.

Department Circulars:

- 76 DC. Directions for collecting flowering plants and ferns. 5¢.

Miscellaneous Publications:

- 434 MP. Nursery practice for trees and shrubs suitable for planting on the Prairie-Plains. 25¢.

Diseases: Ornamental Plants and Trees**Farmers' Bulletins:**

- 1547 F. Rose diseases: Their causes and control. 5¢.
 1827 F. Culture and diseases of delphiniums. 5¢.
 1855 F. Culture, diseases, and pests of the box tree. 5¢.
 1860 F. Gladiolus diseases and insects. 5¢.

Leaflets:

- 197 L. Powdery mildew of ornamental plants. 5¢.

Circulars:

- *535 C. A vascular wilt of the mimosa tree (*Albizzia julibrissin*). 5¢.
 556 C. A flower-spot disease of cultivated azaleas. 5¢.

Insects and Other Pests: Ornamental Plants and Trees**Farmers' Bulletins:**

- *650 F. The San Jose scale and its control. 5¢.
 *701 F. The bagworm, an injurious shade tree insect. 5¢.
 *705 F. The catalpa sphinx. 5¢.
 *1076 F. California oak worm. 5¢.
 1169 F. Insects injurious to deciduous shade trees and their control. 10¢.
 1252 F. Sawflies injurious to rose foliage. 5¢.
 *1306 F. Insect enemies of chrysanthemums. 5¢.
 *1344 F. The strawberry rootworm as an enemy of the greenhouse rose. 5¢.
 1397 F. Mouse control in field and orchard. 5¢.
 *1495 F. Insect enemies of the flower garden. 5¢.
 1569 F. Earthworms as pests and otherwise. 5¢.
 1855 F. Culture, diseases, and pests of the box tree. 5¢.
 1856 F. The Japanese beetle and its control. 5¢.
 1860 F. Gladiolus diseases and insects. 5¢.
 1890 F. Control of insects and mites attacking narcissus bulbs. 10¢.

Leaflets:

- 161 L. The eastern tent caterpillar. 5¢.
 183 L. Cankerworms. 5¢.
 184 L. The elm leaf beetle. 5¢.
 185 L. Elm bark beetles. 5¢.

Circulars:

- 51 C. The chinch bug in relation to St. Augustine grass. 5¢.
 *117 C. The Asiatic beetle: A serious pest in lawns. 5¢.
 237 C. Control of the Japanese beetle on fruit and shade trees. 5¢.
 246 C. Life history and control of the Asiatic garden beetle. 5¢.
 248 C. Sod webworms and their control in lawns and golf greens. 5¢.
 *277 C. The oriental moth (*Cnidocampa flavescens* Walk.) and its control. 5¢.
 *301 C. The cyclamen mite and the broad mite and their control. 5¢.
 *305 C. The boxwood leaf miner and its control. 5¢.
 *365 C. The camphor scale. 5¢.
 381 C. Rodents and moles as pests in bulb plantings. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Circulars—Continued.

- 401 C. Control of the Japanese beetle and its grub in home yards. 5¢.
 403 C. Preventing injury from Japanese and Asiatic beetle larvae to turf in parks and other large areas. 5¢.
 *429 C. The rhododendron whitefly and its control. 5¢.
 *445 C. The iris thrips and its control by hot water, with notes on other treatments. 5¢.
 464 C. The gypsy and brown-tail moths and their control. 10¢.
 516 C. Control of cyclamen and broad mites on gerbera. 5¢.
 547 C. Feeding habits of the adult Japanese beetle. 5¢.
 572 C. Life history and control of the imported willow leaf beetle. 5¢.
 594 C. The use of traps against the Japanese beetle. 5¢.

Department Bulletins:

- *1076 D. Biology of the lotus borer (*Pyrausta penitalis* Grote). 5¢.

Miscellaneous Publications:

- 466 MP. An annotated list of elm insects in the United States. 5¢.

Technical Bulletins:

- *83 T. The Pacific flathead borer. 15¢.
 *86 T. Imported insect enemies of the gypsy moth and the brown-tail moth. 50¢.
 *111 T. Fish oil as an adhesive in lead-arsenate sprays. 10¢.
 672 T. Vapor-heat treatment for the control of narcissus bulb pests in the Pacific Northwest. 10¢.

Picture Sheets:

- No. 6. Gladiolus thrips. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Ornamental Plants and Trees**Circulars:**

- *207 C. Deterioration of Christmas holly in transit and storage. 10¢.
 278 C. The commercial storage of fruits, vegetables, and florists' stocks. 10¢.
 447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks. 5¢.

▲▲ RUBBER**Department Bulletins:**

- *1286 D. South American leaf disease of Para rubber. 10¢.
 *1380 D. A pathological survey of the Para rubber tree (*Hevea brasiliensis*) in the Amazon Valley. 50¢.

Technical Bulletins:

- *65 T. Experimental tapping of Hevea rubber trees in Bayeux, Haiti, 1924-25. 5¢.
 457 T. The rubber content of two species of *Cryptostegia* and of an interspecific hybrid in Florida. 10¢.
 472 T. The desert milkweed (*Asclepias subulata*) as a possible source of rubber. 5¢.
 604 T. Rubber content and habits of a second desert milkweed (*Asclepias erosa*) of southern California and Arizona. 5¢.

Separates from Agricultural Statistics:

- 7 SAS. Foreign trade of the United States in agricultural products. (1936.)
 27 SAS. Foreign trade of the United States in agricultural products. (1938.) 10¢.
 37 SAS. Foreign trade of the United States in agricultural products. (1939.) 10¢.
 47 SAS. Foreign trade of the United States in agricultural products. (1940.) 10¢.
 57 SAS. Foreign trade of the United States in agricultural products. (1941.)

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

▲▲† SEEDS AND BULBS

(See also Bureau List: Office of Information; Crop Culture—General; and specific crop)

Farmers' Bulletins:

- 434 F. ▲ The home production of onion seed and sets. 5¢.
- *676 F. ▲ Hard clover seed and its treatment in hulling. 5¢.
- 948 F. ▲ The rag-doll seed tester: Its use in determining what ears of corn are fit for seed. 5¢.
- 1123 F. Growing and planting hardwood seedlings on the farm. 5¢.
- 1253 F. ▲ Seed peas for the canner. 5¢.
- 1390 F. ▲ Vegetable seeds for the home and market garden. 5¢.
- 1605 F. ▲ Soybean hay and seed production. 5¢.
- 1747 F. ▲ Flaxseed production in the North Central States. 5¢.
- 1793 F. ▲ Flaxseed production in the far western States. 5¢.
- 1822 F. ▲ Seed corn. 5¢.

Leaflets:

- *33 L. The combination cleaning and treating of seed wheat. 5¢.
- 93 L. ▲ Red-clover seed production in the intermountain States. 5¢.
- 107 L. The barrel seed scarifier. 5¢.
- 115 L. ▲ Timothy seed production. 5¢.
- 155 L. Growing nursery stock of southern pines. 5¢.
- 156 L. Harvesting and selling seed of southern pines. 5¢.
- 181 L. ▲ Drying seed cotton. 5¢.
- 198 L. ▲ Cottonseed treatment. 5¢.

Circulars:

- *325 C. Field experiments with vernalized wheat. 5¢.
- *345 C. Barrel and disk seed scarifiers. 5¢.
- 366 C. Safflower, a possible new oil-seed crop for the northern Great Plains and the far western States. 5¢.
- *377 C. Vernalization experiments with forage crops. 5¢.
- *402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
- *453 C. Sulphuric acid treatment to increase germination of black locust seed. 10¢.
- 465 C. Effect of storage and repeated sprouting of seed potatoes on their growth and productiveness. 5¢.
- 480 C. Rules and recommendations for testing seeds. 5¢.
- *486 C. Factors affecting establishment of Douglas fir seedlings. 10¢.
- 512 C. Longevity of onion seed in relation to storage conditions. 5¢.
- 558 C. Processing seed of grasses and other plants to remove awns and appendages. 5¢.
- 562 C. Maintaining identity and pure seed of southern oat varieties. 5¢.
- 621 C. A practical seed-cotton moisture tester for use at gins. 10¢.

Department Bulletins:

- *1195 D. Sterilities of wild and cultivated potatoes with reference to breeding from seed. 10¢.

Miscellaneous Circulars:

- *95 MC. Unclean seed wheat causes loss of millions: To control the losses, clean all seed wheat. 5¢.

Miscellaneous Publications:

- *203 MP. Cotton and cottonseed: A list of the publications of the United States Department of Agriculture on these subjects, including early reports of the United States Patent Office. 15¢.
- 219 MP. ▲ Treat seed grain. 5¢.
- 239 MP. The vertical drier for seed cotton. 10¢.
- 330 MP. The Minnesota seed-grain treater. 5¢.
- 437 MP. ▲ Testing farm seeds in home and school. 15¢.

Technical Bulletins:

- *39 T. Inheritance of awnedness, yield, and quality in crosses between Bobs, Hard Federation, and Propo wheats at Davis, Calif. 10¢.
- *424 T. Influence of storage temperatures on the rest period and dormancy of potatoes. 5¢.
- 539 T. Federal seed-loan financing and its relation to agricultural rehabilitation and land use. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

† The Department of Agriculture has no seeds for sale nor for free distribution.

United States Department of Agriculture.

Technical Bulletins—Continued.

- 554 T. Rapid determination of oil content and oil quality in flax-seed. 10¢.
- 638 T. Temperature and other factors affecting the germination of fescue seed. 10¢.
- 655 T. Dormancy in lettuce seed and some factors influencing its germination. 5¢.
- 670 T. Relation of temperature and moisture content to longevity of chewings fescue seed. 10¢.
- 708 T. A study of rapid deterioration of vegetable seeds and methods for its prevention. 10¢.
- 734 T. Anatomical structure of the cottonseed coat as related to problems of germination. 5¢.
- 773 T. Kiln design and development of schedules for extracting seed from cones. 10¢.

Diseases: Seeds and Bulbs**Farmers' Bulletins:**

- 1862 F. Vegetable seed treatments. 5¢.

Circulars:

- 361 C. Removing smut balls from seed wheat. 5¢.
- *576 C. The use of chlorine gas as a seed disinfectant. 5¢.

Department Bulletins:

- *1116 D. Seedling blight and stack-burn of rice and the hot-water seed treatment. 10¢.

Miscellaneous Publications:

- *21 MP. Formaldehyde seed treatment for oat smuts. 5¢.
- 199 MP. Barley disease controlled by seed treatment. 5¢.

Technical Bulletins:

- 568 T. Seed treatment experiments with oats naturally and artificially inoculated with smuts. 5¢.

Insects and Other Pests: Seeds and Bulbs**Farmers' Bulletins:**

- 1642 F. Chalcid control in alfalfa-seed production. 5¢.

Circulars:

- 381 C. Rodents and moles as pests in bulb plantings. 5¢.
- 555 C. Fumigation of vetch seed for the vetch bruchid. 5¢.

Technical Bulletins:

- *599 T. Biology of the pea weevil in the Pacific Northwest with suggestions for its control on seed peas. 10¢.
- 672 T. Vapor-heat treatment for the control of narcissus bulb pests in the Pacific Northwest. 10¢.
- 706 T. Wild animal damage to seed and seedlings on cut-over Douglas fir lands of Oregon and Washington. 5¢.
- *719 T. Prevention of damage by the seed-corn maggot to potato seed pieces. 10¢.
- *741 T. Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. 5¢.

Marketing: Seeds and Bulbs

(See also Bureau List: Agricultural Marketing Administration)

Farmers' Bulletins:

- *1232 F. Seed marketing hints for the farmer. 5¢.
- 1308 F. Marketing the cowpea seed crop. 5¢.

Miscellaneous Publications:

- 441 MP. Cottonseed: Official grading and market news. 5¢.

▲▲ SUGAR CROPS▲

(See also Crop Culture—General; and Puerto Rico)

Farmers' Bulletins:

- *1042 F. ▲Saving man labor in sugar beet fields. 5¢.
- 1366 F. ▲Production of maple sirup and sugar. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Farmers' Bulletins—Continued.

- 1619 F. ▲Sorgo for sirup production: Culture, harvesting, and handling. 5¢.
 1637 F. ▲Sugar-beet culture in the humid area of the United States. 10¢.
 1645 F. ▲Sugar-beet growing under irrigation in the Utah-Idaho area. 5¢.
 1718 F. ▲Important sugar-beet byproducts and their utilization. 5¢.
 1791 F. ▲Farm production of sorgo sirup. 5¢.
 1867 F. ▲Sugar-beet culture under irrigation in the northern Great Plains. 10¢.
 1874 F. ▲Farm production of sugarcane sirup. 10¢.

Leaflets:

- 97 L. Cross-blocking sugar beets by machine. 5¢.

Circulars:

- *284 C. ▲Sugarcane for sirup production. 10¢.
 *304 C. Windrowing qualities of Co. 281 and other varieties of sugarcane under Louisiana conditions. 5¢.
 319 C. Fertilizer studies with sugar beets in the Arkansas Valley area, Colorado, 1921-28. 5¢.
 *324 C. Studies on handling sugarcane frozen early in March in advanced stages of development. 5¢.
 368 C. Studies of ripening of sugarcane in Louisiana and of effect of topping upon yields of cane and sugar per acre.
 391 C. New sugar-beet varieties for the curly-top area.
 444 C. Yield and quality of sugar beets from various rotations at the Scotts Bluff (Nebr.) Field Station, 1930-35.
 461 C. Two new varieties of sugarcane for sirup production.
 *476 C. Evaluation of sugar beet types in certain sugar-beet-growing districts in the United States. 5¢.
 513 C. Curly-top-resistant sugar-beet varieties in 1938. 5¢.
 521 C. Studies of gaps in sugarcane rows and their effect upon yield under Louisiana conditions.
 531 C. Variety tests of sugarcane in Louisiana during the crop year 1936-37 and summary of annual results, 1935-37.

Department Bulletins:

- *917 D. Farm practice in growing field crops in three sugar-beet districts of Colorado. 20¢.
 *963 D. Cost of producing sugar beets in Utah and Idaho, 1918-1919. 10¢.
 1370 D. ▲Sugarcane sirup manufacture. 10¢.

Department Circulars:

- *257 DC. Composition of filter press (lime) cake. 5¢.

Technical Bulletins:

- *449 T. Storage of mill cane. 5¢.
 *614 T. Influence of farm manure on yields and sucrose of sugar beets. 5¢.
 688 T. Comparative chemical composition of juices of different varieties of Louisiana sugarcane. 10¢.
 736 T. Windrowing and storing of sugarcane in Louisiana following injury by freezing temperatures. 10¢.
 754 T. Chemical composition of sugarcane juice as affected by fertilizers. 10¢.

Yearbook Separates:

- *893 Y. ▲Sugar. (1923.) 20¢.
 1556 Y. ▲Sugar plants. (Genetics.) (1936.) 15¢.
 1576 Y. ▲Sugarcane: Its origin and improvement. (1936.) 10¢.
 1577 Y. ▲Improvement of the sugar beet. (1936.) 5¢.
 1809 Y. Climatic relations of sugarcane and sugar beet. (1941.) 5¢.

Diseases: Sugar Crops**Circulars:**

- 350 C. Economic importance of red rot and comparative susceptibility of some sugarcane varieties in the southern United States. 5¢.
 513 C. Curly-top-resistant sugar-beet varieties in 1938. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Technical Bulletins:

- *624 T. Studies on the epidemiology of curly top in southern Idaho, with special reference to sugar beets and weed hosts of the vector *Eutettix tenellus*. 10¢.
 641 T. Red rot of sugarcane. 15¢.
 666 T. Pythium root rot of sugarcane. 15¢.

Insects and Other Pests: Sugar Crops**Farmers' Bulletins:**

- 1514 F. Control of sugar-beet nematode by crop rotation. 5¢.
 1884 F. The sugarcane borer. 5¢.

Circulars:

- *244 C. Movements of the beet leafhopper in 1930 in southern Idaho. 5¢.
 416 C. Land-improvement measures in relation to a possible control of the beet leafhopper and curly top. 5¢.
 518 C. Breeding areas and economic distribution of the beet leafhopper in New Mexico, southern Colorado, and western Texas. 5¢.

Department Bulletins:

- *104 D. Thrips as pollinators of beet flowers. 5¢.

Department Circulars:

- *262 DC. Length of the dormancy period of the sugar-beet nematode in Utah. 5¢.

Technical Bulletins:

- *363 T. The parasites of the sugarcane borer in Argentina and Peru, and their introduction into the United States. 5¢.
 557 T. Types of vegetation in the San Joaquin Valley of California and their relation to the beet leafhopper. 10¢.
 *607 T. Occurrence of the beet leafhopper and associated insects on secondary plant successions in southern Idaho. 10¢.
 654 T. Changes in weedy plant cover on cleared sagebrush land and their probable causes. 10¢.
 744 T. Life history of the sugar-beet wireworm in southern California. 15¢.

Marketing: Sugar Crops

(See also Bureau List: Agricultural Marketing Administration)

Separates from Agricultural Statistics:

- 32 SAS. Statistics of cotton, sugar, and tobacco. (1939.)
 42 SAS. Statistics of cotton, sugar, and tobacco. (1940.) 10¢.
 52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)

Yearbook Separates:

- *1104 Y. Statistics of cotton, sugar, and tobacco. (1930.) 5¢.
 *1149 Y. Statistics of cotton, sugar, and tobacco. (1931.) 10¢.

▲▲ TOBACCO**Farmers' Bulletins:**

- 523 F. Tobacco curing. 5¢.
 571 F. ▲ Tobacco culture. 5¢.
 1580 F. Cigar tobacco production in Pennsylvania. 5¢.
 1629 F. Steam sterilization of soil for tobacco and other crops. 5¢.

Technical Bulletins:

- 587 T. Consumption and production of tobacco in Europe. 15¢.
 *612 T. Symptoms on field-grown tobacco characteristic of the deficient supply of each of several essential chemical elements. 20¢.

Yearbook Separates:

- 1559 Y. Tobacco. (Genetics.) (1936.) 10¢.
 *1580 Y. Superior germ plasm in tobacco. (1937.) 10¢.
 1806 Y. Climate and tobacco. (1941.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Diseases: Tobacco**Farmers' Bulletins:**

- 1799 F. Blue mold (downy mildew) disease of tobacco. 5¢.

Leaflets:

- 209 L. Gas treatment for the control of blue mold disease of tobacco. 5¢.

Department Bulletins:

- *1410 D. The brown root rot of tobacco and other plants. 10¢.

Insects and Other Pests: Tobacco**Farmers' Bulletins:**

- *1425 F. The tobacco flea-beetle in the dark fire-cured tobacco district of Kentucky and Tennessee. 5¢.
 *1489 F. The green June beetle larva in tobacco plant beds. 5¢.
 1494 F. Tobacco cutworms and their control. 5¢.
 1531 F. The tobacco budworm and its control in the Georgia and Florida tobacco-growing region. 5¢.

Circulars:

- *269 C. A pest of cured tobacco, *Ephestia elutella* Hübner. 5¢.
 *356 C. Trapping experiments for the control of the cigarette beetle. 5¢.
 *422 C. Biology of the tobacco moth and its control in closed storage. 10¢.
 *462 C. Low temperature as a possible means of controlling the cigarette beetle in stored tobacco. 5¢.

Marketing: Tobacco

(See also Bureau List: Agricultural Marketing Administration)

Circulars:

- 435 C. Tobacco shrinkages and losses in weight in handling and storage. 10¢.
 519 C. The tobacco industry in Puerto Rico. 10¢.

Separates from Agricultural Statistics:

- 32 SAS. Statistics of cotton, sugar, and tobacco. (1939.)
 42 SAS. Statistics of cotton, sugar, and tobacco. (1940.) 10¢.
 52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)

Statistical Bulletins:

- *58 S. First annual report on tobacco statistics (with basic data). 15¢.
 63 S. Annual report on tobacco statistics, 1937. 15¢.
 67 S. Annual report on tobacco statistics, 1938. 15¢.

Yearbook Separates:

- *1104 Y. Statistics of cotton, sugar, and tobacco. (1930.) 5¢.
 *1149 Y. Statistics of cotton, sugar, and tobacco. (1931.) 10¢.

▲▲ VEGETABLES

(See also Seeds; Weeds; and specific crop)

GENERAL**Farmers' Bulletins:**

- 1044 F. ▲The city home garden. 5¢.
 1242 F. ▲Permanent fruit and vegetable gardens. 5¢.
 1390 F. ▲Vegetable seeds for the home and market garden. 5¢.
 1673 F. ▲The farm garden. 10¢.
 1743 F. ▲Hotbeds and coldframes. 5¢.
 1746 F. ▲Subsistence farm gardens. 5¢.

Leaflets:

- 203 L. ▲Disease-resistant varieties of vegetables for the home garden. 5¢.

Department Bulletins:

- *1427 D. Dry-land gardening at the Northern Great Plains Field Station, Mandan, N. Dak. 5¢.

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Miscellaneous Publications:

- 483 MP. ▲ Victory gardens. 5¢.

Technical Bulletins:

- 708 T. A study of rapid deterioration of vegetable seeds and methods for its prevention. 10¢.

Yearbook Separates:

- 1581 Y. Breeding vegetable crops. (1937.) 20¢.
1807 Y. Climate and vegetable crops. (1941.) 5¢.

Diseases: Vegetables—General

(See also under specific crop)

Farmers' Bulletins:

- 1371 F. Diseases and insects of garden vegetables. 10¢.
1862 F. Vegetable seed treatments. 5¢.

Miscellaneous Publications:

- *228 MP. Market diseases of fruits and vegetables: Peaches, plums, cherries, and other stone fruits. 20¢.

Technical Bulletins:

- 318 T. Effect of solid and gaseous carbon dioxide upon transit diseases of certain fruits and vegetables. 10¢.
519 T. Transit and storage diseases of fruits and vegetables as affected by initial carbon dioxide treatments. 5¢.

Insects and Other Pests: Vegetables—General

(See also under specific crop)

Farmers' Bulletins:

- *721 F. The rose-chaffer: A destructive garden and vineyard pest. 5¢.
*959 F. The spotted garden slug. 5¢.
1371 F. Diseases and insects of garden vegetables. 10¢.
1712 F. The harlequin bug and its control. 5¢.
1866 F. Wireworms and their control on irrigated lands. 10¢.

Leaflets:

- 2 L. Cutworms in the garden. 5¢.

Circulars:

- 246 C. Life history and control of the Asiatic garden beetle. 5¢.
416 C. Land-improvement measures in relation to a possible control of the beet leafhopper and curly top. 5¢.
494 C. The Texas leaf-cutting ant and its control. 5¢.
*530 C. The vegetable weevil. 5¢.

Technical Bulletins:

- 723 T. Biology of the seed-corn maggot in the Coastal Plain of the South Atlantic States. 10¢.
740 T. Studies of methods and materials for the control of the leafhopper *Empoasca fabae* as a bean pest. 10¢.
744 T. Life history of the sugar-beet wireworm in southern California. 15¢.

Marketing: Vegetables—General

(See also Bureau List: Agricultural Marketing Administration, and specific crop)

Farmers' Bulletins:

- 1821 F. Containers for fruits and vegetables. 10¢.

Circulars:

- 278 C. The commercial storage of fruits, vegetables, and florists' stocks. 10¢.
447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks. 5¢.
463 C. Wholesale markets for fruits and vegetables in 40 cities. 15¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

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Miscellaneous Publications:

- *75 MP. Method of testing the capacity of fruit and vegetable containers under the United States standard container acts. 5¢.
 167 MP. A fruit and vegetable buying guide for consumers. 10¢.
 460 MP. The A B C of canned fruit and vegetable labeling. 5¢.

Separates from Agricultural Statistics:

- *3 SAS. Statistics of fruits and vegetables. (1936.) 10¢.
 *23 SAS. Statistics of fruits, vegetables, and tree nuts. (1938.) 15¢.
 43 SAS. Statistics of fruits, vegetables, and tree nuts. (1940.) 15¢.
 53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)

Statistical Bulletins:

- *19 S. Carload shipments of fruits and vegetables from stations in the United States for the calendar years 1924 and 1925. 15¢.
 *22 S. Vegetable statistics: Year ended December 31, 1926, with comparable data for earlier years. 35¢.
 *23 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1924-26. 25¢.
 *30 S. Car-lot shipments and unloads of important fruits and vegetables, for the calendar years 1927 and 1928. 25¢.
 *35 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1928 and 1929. 25¢.
 *38 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1929 and 1930. 15¢.
 *42 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1930 and 1931. 10¢.
 46 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1931 and 1932. 15¢.
 *50 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1932 and 1933. 15¢.
 53 S. Car-lot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934. 15¢.

Technical Bulletins:

- 272 T. The marketing and distribution of fruits and vegetables by motortruck. 20¢.
 445 T. Market distribution of carlot shipments of fruits and vegetables in the United States. 5¢.
 627 T. Body icing in transit refrigeration of vegetables. 10¢.
 771 T. Calorimetric measurements of the heat of respiration of fruits and vegetables. 5¢.

Yearbook Separates:

- *933 Y. Statistics of fruits and vegetables. (1927.) 10¢.
 *1105 Y. Statistics of fruits and vegetables. (1930.) 5¢.
 *1150 Y. Statistics of fruits and vegetables. (1931.) 15¢.

Unnumbered:

- The wholesale fruit and vegetable markets of New York City. 25¢.

▲▲ CABBAGES

(See also Vegetables—General)

Circulars:

- 252 C. ▲ Commercial cabbage culture. 10¢.
 571 C. ▲ Chinese cabbage varieties, their classification, description, and culture in the central Great Plains. 5¢.

Miscellaneous Publications:

- *169 MP. Description of types of principal American varieties of cabbage. 50¢.

Technical Bulletins:

- 760 T. Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants. 10¢.

Diseases: Cabbages**Farmers' Bulletins:**

- 1439 F. Diseases of cabbage and related plants. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture,

Miscellaneous Publications:

- *292 MP. Market diseases of fruits and vegetables: Crucifers and cucurbits. 45¢.

Technical Bulletins:

- *181 T. Clubroot of crucifers. 5¢.

Posters:

- *No. 49. Cabbage diseases. 7¼ by 12 inches. Colored. 5¢.
 A, B, C. Alternaria leaf spot on outer green leaves.
 D. Alternaria leaf spot and black mold rot in storage cabbage.
- *No. 50. Cabbage diseases. 7¼ by 12 inches. Colored. 5¢.
 A. Bacterial soft rot.
 B. Sclerotinia rot.
- *No. 51. Cabbage diseases. 7¼ by 12 inches. Black and white. 5¢.
 Black rot (caused by the bacterium, *B. campestris*).
- *No. 52. Cabbage and cauliflower diseases. 7¼ by 12 inches. Colored. 5¢.
 A. Gray mold rot of cauliflower.
 B. Freezing injury of cabbage.
- *No. 53. Cabbage and cauliflower diseases. 7¼ by 12 inches. Black and white. 5¢.
 A. Tip burn of cabbage.
 B. Brown rot of cauliflower.

Insects and Other Pests: Cabbages**Circulars:**

- *411 C. A study of arsenical dusting of cabbage in relation to poison residues. 5¢.
- 615 C. Studies on the control of cabbage caterpillars with derris in the South. 10¢.

Technical Bulletins:

- 782 T. Field studies of insecticides used to control cabbage caterpillars in the South. 10¢.

Picture Sheets:

- No. 9. Imported cabbage worm. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Cabbages**Farmers' Bulletins:**

- 1423 F. Preparation of cabbage for market. 5¢.

Technical Bulletins:

- 646 T. Marketing commercial cabbage. 15¢.

CUCUMBERS

(See also Vegetables—General)

Farmers' Bulletins:

- 1320 F. The production of cucumbers in greenhouses. 5¢.
- 1563 F. Cucumber growing. 5¢.
- *1620 F. Growing cucumbers for pickling. 5¢.

Diseases: Cucumbers**Department Bulletins:**

- *1461 D. Control of cucumber mosaic by eradication of wild host plants. 10¢.

Department Circulars:

- *321 DC. Control of cucumber mosaic in the greenhouse. 5¢.

Miscellaneous Publications:

- *292 MP. Market diseases of fruits and vegetables: Crucifers and cucurbits. 45¢.

Posters:

- *No. 55. Cucumber diseases. 7¼ by 12 inches. Colored. 5¢.
 A. Low-temperature break-down followed by various molds.
 B. Anthracnose fruit spot.
 C. Mosaic.
- *No. 56. Cucumber diseases. 7¼ by 12 inches. Black and white. 5¢.
 A. Bacterial spot.
 B. Scab or cladosporium fruit spot.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

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Insects: Cucumbers**Picture Sheets:**

No. 7. Striped cucumber beetle. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.

▲▲ ONIONS

(See also Vegetables—General)

Farmers' Bulletins:

354 F. ▲ Onion culture. 5¢.

434 F. ▲ The home production of onion seed and sets. 5¢.

Circulars:

355 C. Effects of freezing and cold weather on immature onions. 5¢.

512 C. Longevity of onion seed in relation to storage conditions. 5¢.

Department Circulars:

*415 DC. Some effects of freezing on onions. 5¢.

Miscellaneous Publications:

*435 MP. Descriptions of types of principal American varieties of onions. 50¢.

Diseases: Onions**Farmers' Bulletins:**

1060 F. Onion diseases and their control. 5¢.

Miscellaneous Publications:

*440 MP. Market diseases of fruits and vegetables: Asparagus, onions, beans, peas, carrots, celery, and related vegetables. 35¢.

Marketing: Onions**Circulars:**

*135 C. Blemishes and discolorations of market onions. 5¢.

618 C. Storage quality of the principal American varieties of onions. 10¢.

Technical Bulletins:

555 T. Marketing onions. 15¢

▲▲ POTATOES

(See also Vegetables—General, and Sweetpotatoes)

Farmers' Bulletins:

1064 F. ▲ Production of late or main-crop potatoes. 5¢.

1205 F. ▲ Potato production in the South. 5¢.

1843 F. ▲ Potato production in the Western States. 5¢.

Circulars:

*191 C. Time of planting as affecting yields of Rural New Yorker and Triumph potatoes in the Greeley, Colo., district. 5¢.

*388 C. Distance of planting Rural New Yorker No. 2 and Triumph potatoes as affecting yield, hollow heart, growth cracks, and second-growth tubers. 5¢.

*420 C. The Houma potato: A new variety. 5¢.

465 C. Effect of storage and repeated sprouting of seed potatoes on their growth and productiveness. 5¢

493 C. The Earlane potato, a new early variety. 5¢.

*496 C. Time of irrigating potatoes as affecting stolon growth and tuber set and development. 5¢.

*503 C. The Sebago potato, a new variety resistant to late blight. 5¢.

Department Bulletins:

*1195 D. Sterilities of wild and cultivated potatoes with reference to breeding from seed. 10¢.

Technical Bulletins:

216 T. Effect of irrigation water on vigor and vitality of seed potatoes. 5¢.

*424 T. Influence of storage temperatures on the rest period and dormancy of potatoes. 5¢.

507 T. The cooking quality, palatability, and carbohydrate composition of potatoes as influenced by storage temperature. 5¢.

669 T. Fertilizer placement for potatoes. 20¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Yearbook Separates:

- *1582 Y. Breeding and genetics in potato improvement. (1937.) 10c.

Diseases: Potatoes**Farmers' Bulletins:**

- *1367 F. Control of potato-tuber diseases. 5c.
 1436 F. Why potatoes run out. 5c.
 1881 F. Potato diseases and their control. 10c.

Circulars:

- *271 C. Virus and viruslike diseases of the potato in the Northwest and their control. 5c.

Miscellaneous Publications:

- *98 MP. Market diseases of fruits and vegetables: Potatoes. 30c.

Technical Bulletins:

- *56 T. Factors of spread and repression in potato wart. 5c.

Posters:

- *No. 1. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A. Black leg, eastern type.
 B, C. *Alternaria* tuber rot.
 D. Blackleg, western type.
 E. Silver scurf.
- *No. 2. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A, B. Bacterial soft rot or slimy soft rot.
 C, D, E. Brown rot or southern bacterial wilt.
 F, G. *Sclerotium* rot.
- *No. 3. Potato injuries. 7¼ by 12 inches. Colored. 5c.
 A, B. Chemical injury.
 C, D, E. Black-heart.
 F. Greening or sunburn.
 G. Enlarged lenticels.
- *No. 4. Potato injuries. 7¼ by 12 inches. Colored. 5c.
 A. Freezing injury, general type.
 B. Freezing necrosis.
 C. Internal brown spot.
 D. Heat and drought necrosis.
 E. Net necrosis.
- *No. 5. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A, B, C. *Fusarium* tuber rot, wet type.
- *No. 6. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A. *Fusarium* tuber rot.
 B, C, D. *Fusarium* tuber rot.
- *No. 7. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A, B. *Fusarium* stem-end rot.
 C. Jelly end rot.
 D, E. *Fusarium* wilt.
- *No. 8. Potato injuries. 7¼ by 12 inches. Colored. 5c.
 A. Hollow heart.
 B. Growth cracks.
 C. Mechanical injury and immaturity.
 D. Second growth, knobiness, and immaturity.
- *No. 9. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A, B, D, E. Late blight tuber rot, shallow lesion type.
 C, F. Late blight tuber rot, deep soft lesion type in southern stock.
- *No. 10. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A, B. Scald, caused by exposure to sun after digging.
 C, D. Leak (*Pythium* species).
- *No. 11. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A, B. Wart.
 C, D. Powdery scab.
- *No. 12. Potato diseases. 7¼ by 12 inches. Colored. 5c.
 A. Scab, early stage, mild type.
 B. Scab, late severe type.
 C. Black scurf.
 D. Russett scab.
- *No. 13. Potato injuries. 7¼ by 12 inches. Colored. 5c.
 A, B. Flea-beetle injury.
 C. Nematode injury.
 D, E. Tuber-moth injury.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Insects and Other Pests: Potatoes**Farmers' Bulletins:**

- *1462 F. The potato leafhopper and how to control it. 5¢.

Technical Bulletins:

- *719 T. Prevention of damage by the seed-corn maggot to potato seed pieces. 10¢.

Picture Sheets:

- No. 3. Colorado potato beetle. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.
No. 8. Potato leafhopper. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5¢.

Marketing: Potatoes

(See also Bureau List: Agricultural Marketing Administration)

Farmers' Bulletins:

- 847 F. Potato storage and storage houses. 5¢.

Circulars:

- 475 C. Marketing the late crop of potatoes. 10¢.

Technical Bulletins:

- 7 T. Origin and distribution of the commercial potato crop. 10¢.
*615 T. Studies of potato storage houses in Maine. 10¢.
*668 T. Bruising, freezing, and chemical injury of potatoes in transit. 5¢.

▲▲ SWEETPOTATOES

(See also Vegetables—General, and Potatoes)

Farmers' Bulletins:

- 999 F. ▲ Sweet-potato growing. 5¢.
1267 F. ▲ Utilization of flue-heated tobacco barns for sweetpotato storage. 5¢.

Circulars:

- *498 C. Effect of potash on grade, shape, and yield of certain varieties of sweetpotatoes grown in South Carolina. 5¢.
499 C. A comparative study of suitability for drying purposes in forty varieties of the sweetpotato. 10¢.
502 C. Sweetpotato propagation and transplanting studies. 5¢.

Technical Bulletins:

- *335 T. Fertilizers for sweetpotatoes based on investigations in North Carolina.

Diseases: Sweetpotatoes**Farmers' Bulletins:**

- 1059 F. Sweetpotato diseases. 5¢.

Leaflets:

- 106 L. Prevent storage rots of sweetpotatoes. 5¢.

Technical Bulletins:

- *99 T. A monographic study of sweetpotato diseases and their control. 40¢

Insects and Other Pests: Sweetpotatoes**Leaflets:**

- 121 L. The sweetpotato weevil and how to control it. 5¢.

Circulars:

- *495 C. The sweetpotato leaf beetle. 5¢.

Marketing: Sweetpotatoes**Farmers' Bulletins:**

- 1267 F. ▲ Utilization of flue-heated tobacco barns for sweetpotato storage. 5¢.
1442 F. ▲ Storage of sweetpotatoes. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

▲▲ TOMATOES

(See also Vegetables—General)

Farmers' Bulletins:

- *1233 F. ▲ Tomatoes for canning and manufacturing. 5¢.
- 1338 F. ▲ Tomatoes as a truck crop. 5¢.
- 1431 F. ▲ Greenhouse tomatoes. 5¢.
- 1901 F. ▲ Production of tomatoes for canning and manufacturing. 10¢.

Circulars:

- 388 C. The Glovel tomato. 5¢.
- 533 C. Results of tomato variety tests in the Great Plains region. 5¢.
- 584 C. Development of interspecific tomato hybrids of horticultural value and highly resistant to fusarium wilt. 5¢.
- 611 C. The Pan America tomato, a new red variety highly resistant to fusarium wilt. 5¢.

Miscellaneous Publications:

- *160 MP. Description of types of principal American varieties of tomatoes. 50¢.
- 382 MP. A revision of the genus *Lycopersicon*. 10¢.

Technical Bulletins:

- 760 T. Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants. 10¢.

Diseases: Tomatoes**Circulars:**

- *29 C. Bacterial canker of tomatoes. 5¢.
- 169 C. Tomato late-blight rot: A serious transit and market disease. 5¢.
- 282 C. Three bacterial spots of tomato fruit. 5¢.
- 371 C. Development of phoma rot of tomatoes in transit and in storage. 5¢.

Miscellaneous Publications:

- *121 MP. Market diseases of fruits and vegetables: Tomatoes, peppers, eggplants. 20¢.

Technical Bulletins:

- *520 T. Temperature studies of some tomato pathogens. 5¢.
- 705 T. Differences in growth characters and pathogenicity of fusarium wilt isolations tested on three tomato varieties. 5¢.

Posters:

- *No. 16. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Anthracnose rot.
 - B. Ring rot.
 - C. Phoma rot, early stage.
 - D, E. Phoma rot, late stages.
- *No. 17. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - A. Bacterial spot, very early stage.
 - B, C. Bacterial spot, medium and late stages.
 - D, E. Bacterial canker.
- *No. 18. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - A, B. Blossom-end rot.
 - C. Catface.
 - D. Growth cracks.
 - E. Skin checks and cracks.
- *No. 19. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - A, B, C. Late blight rot.
 - D, E, F. Buckeye rot.
- *No. 20. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - A, B, C. Green mold rot.
 - D. Rhizopus rot.
- *No. 21. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - A, B. Nailhead spot, early stages.
 - C, D, E. Nailhead spot, medium and late stages.
- *No. 22. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - A, B. Sulphur dioxide injury.
 - C, D, E. Streak.
- *No. 23. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 - Soil rot, various stages.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Posters—Continued.

- *No. 24. Tomato diseases. 7¼ by 12 inches. Colored. 5¢.
 A. Sun scald.
 B. Alternaria rot.
 C. Sun scald followed by bacterial soft rot.
 D. Fusarium rot.
 E. Soil rot, early stage on green fruit.

Insects and Other Pests: Tomatoes**Circulars:**

- *440 C. The tomato pinworm. 5¢.

Department Circulars:

- *282 DC. The Australian tomato weevil introduced in the South.
 (A preliminary account.) 5¢.

Picture Sheets:

- No. 1. Tomato hornworms. 5¾ by 9¼ inches. Colored. 5¢.
 No. 13. Tomato fruitworm. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Tomatoes

(See also Bureau list: Agricultural Marketing Administration)

Farmers' Bulletins:

- 1291 F. Preparation of fresh tomatoes for market. 5¢.

Circulars:

- *245 C. Spoilage of tomatoes in transit, as shown by inspection certificates, 1922 to 1930. 5¢.
 *291 C. Freezing of greenhouse-grown tomatoes in transit. 15¢.
 566 C. The ripening and repacking of mature-green tomatoes. 5¢.

Technical Bulletins:

- 268 T. Effect of various temperatures on the storage and ripening of tomatoes. 15¢.

▲▲ OTHER VEGETABLES

(See also Vegetables—General)

Farmers' Bulletins:

- 232 F. Okra: Its culture and uses. 5¢.
 1253 F. ▲Seed peas for the canner. 5¢.
 *1255 F. ▲The production of peas for canning. 5¢.
 1269 F. Celery growing. 5¢.
 1396 F. The dasheen: A southern root crop for home use and market. 10¢.
 1418 F. Lettuce growing in greenhouses. 5¢.
 1609 F. Lettuce growing. 5¢.
 1634 F. Growing sweet corn for the cannery. 5¢.
 1646 F. Asparagus culture. 5¢.

Leaflets:

- 116 L. Growing the Jerusalem-artichoke. 5¢.
 125 L. Production of carrots. 5¢.
 126 L. Rhubarb production. 5¢.
 127 L. The culture of table beets. 5¢.
 128 L. Production of spinach. 5¢.
 129 L. Production and preparation of horseradish. 5¢.
 130 L. Cauliflower and heading broccoli production. 5¢.
 131 L. Production of eggplant. 5¢.
 133 L. Production of chicory and endive. 5¢.
 134 L. Production of water cress. 5¢.
 135 L. Production of salsify, or vegetable-oyster. 5¢.
 136 L. Production of parsley. 5¢.
 137 L. Rhubarb forcing. 5¢.
 138 L. Production of garlic. 5¢.
 139 L. Production of roselle. 5¢.
 140 L. Production of peppers. 5¢.
 141 L. Production of pumpkins and squashes. 5¢.
 142 L. Production of turnips and rutabagas. 5¢.
 143 L. Production of kale. 5¢.
 154 L. Production of parsnips. 5¢.
 157 L. Production of radishes. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Circulars:

- 268 C. Golden Cross Bantam sweet corn. 5¢.
- *399 C. Machine placemen of fertilizers for snap beans in Florida. 5¢.
- 500 C. U. S. No. 5 Refugee, a new mosaic-resistant Refugee bean. 5¢.
- 526 C. Orach, its culture and use as a greens crop in the Great Plains region. 5¢.
- 537 C. Early Cheyenne pie pumpkin. 5¢.
- 595 C. The growth and composition of the fruit of okra in relation to its eating quality. 5¢.
- 596 C. The Imperial strains of lettuce. 5¢.

Department Circulars:

- *125 DC. Forcing and blanching dasheen shoots. 5¢.

Miscellaneous Publications:

- *170 MP. Descriptions of types of principal American varieties of garden peas. \$1.00.
- 316 MP. Descriptions of types of principal American varieties of spinach. 25¢.
- *361 MP. Descriptions of types of principal American varieties of orange-fleshed carrots. 20¢.
- *374 MP. Descriptions of types of principal American varieties of red garden beets. 35¢.

Technical Bulletins:

- 33 T. The Jerusalem-artichoke as a crop plant. 5¢.
- *312 T. Response of sweet corn to varying temperatures from time of planting to canning maturity. 5¢.
- 462 T. Composition of the developing asparagus shoot in relation to its use as a food product and as material for canning. 5¢.
- 514 T. Studies on the culture and certain varieties of the Jerusalem-artichoke. 10¢.
- 620 T. Genetic relations of some color factors in lettuce. 20¢.
- 655 T. Dormancy in lettuce seed and some factors influencing its germination. 5¢.
- 657 T. Physiological studies of Jerusalem-artichoke tubers with special reference to the rest period. 15¢.
- 760 T. Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants. 10¢.

Diseases: Other Vegetables**Farmers' Bulletins:**

- 1692 F. Bean diseases and their control. 5¢.
- 1735 F. Pea diseases and their control. 5¢.
- 1878 F. Bacterial wilt of corn. 5¢.

Leaflets:

- 174 L. Bean bacterial wilt. 5¢.

Circulars:

- 473 C. Variety studies in relation to fusarium wilt of peas. 5¢.

Miscellaneous Publications:

- *121 MP. Market diseases of fruits and vegetables: Tomatoes, peppers, eggplants. 20¢.
- *292 MP. Market diseases of fruits and vegetables: Crucifers and cucurbits. 45¢.
- *440 MP. Market diseases of fruits and vegetables: Asparagus, onions, beans, peas, carrots, celery, and related vegetables. 35¢.

Technical Bulletins:

- *181 T. Clubroot of crucifers. 5¢.
- *186 T. The bacterial blight of beans caused by *Bacterium phaseoli*. 10¢.
- 548 T. Control of southern celery mosaic in Florida by removing weeds that serve as sources of mosaic infection. 5¢.
- 625 T. Stickiness and spotting of shelled green lima beans. 5¢.
- 647 T. Field studies of certain diseases of snap beans in the Southeast. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Posters:

- *No. 25. Pepper diseases. 7¼ by 12 inches. Colored. 5¢.
A. Rhizopus rot.
B. Bacterial spot.
C, D, E. Anthracnose, various stages.
- *No. 26. Eggplant diseases. 7¼ by 12 inches. Colored. 5¢.
Fruit rot.
- *No. 52. Cabbage and cauliflower diseases. 7¼ by 12 inches. Colored. 5¢.
A. Gray mold rot of cauliflower.
B. Freezing injury of cabbage.
- *No. 53. Cabbage and cauliflower diseases. 7¼ by 12 inches. Black and white. 5¢.
A. Tip burn of cabbage.
B. Brown rot of cauliflower.
- *No. 54. Radish and turnip diseases. 7¼ by 12 inches. Black and white. 5¢.
A. Black root of radish.
B. Downy mildew discoloration of turnip root.
- *No. 58. Squash diseases. 7¼ by 12 inches. Colored. 5¢.
Rhizopus rot.

Insects and Other Pests: Other Vegetables

Farmers' Bulletins:

- 1275 F. Weevils in beans and peas. 5¢.
- 1624 F. The Mexican bean beetle in the East and its control. 5¢.
- 1863 F. The turnip aphid in the Southern States and methods for its control. 5¢.

Circulars:

- *418 C. Parasites and predators of the Mexican bean beetle in the United States. 5¢.
- 506 C. Control of the corn earworm on Fordhook lima beans in eastern Virginia. 5¢.
- 518 C. Breeding areas and economic distribution of the beet leafhopper in New Mexico, southern Colorado, and western Texas. 5¢.

Department Bulletins:

- *843 D. The bean ladybird. 10¢.

Technical Bulletins:

- *395 T. Subfreezing temperatures lethal to the European corn borer infesting green ears of sweet corn. 5¢.
- *463 T. Biological and ecological factors in the control of the celery leaf-tier in Florida. 10¢.
- *593 T. The bean weevil and the southern cowpea weevil in California. 10¢.
- *599 T. Biology of the pea weevil in the Pacific Northwest with suggestions for its control on seed peas. 10¢.
- *607 T. Occurrence of the beet leafhopper and associated insects on secondary plant successions in southern Idaho. 10¢.
- *618 T. Biological studies on the leafhopper *Empoasca fabae* as a bean pest. 10¢.
- 744 T. Life history of the sugar-beet wireworm in southern California. 15¢.

Picture Sheets:

- No. 2. Mexican bean beetle. 5¾ by 9¼ inches. Colored. 5¢.
- No. 10. Squash borer. 5¾ by 9¼ inches. Colored. 5¢.

Marketing: Other Vegetables

(See also Bureau list: Agricultural Marketing Administration)

Farmers' Bulletins:

- 1594 F. Preparation of bunched beets, carrots, and turnips for market. 5¢.

Technical Bulletins:

- 712 T. Marketing commercial lettuce. 15¢.
- 731 T. Comparative studies of varietal suitability for freezing preservation of peas, green or snap beans, lima beans and sweet corn grown under eastern conditions. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture,

▲▲ WEEDS AND NOXIOUS PLANTS

Farmers' Bulletins:

- 660 F. ▲ Weeds: How to control them. 5¢.
 687 F. Eradication of ferns from pasture lands in the eastern United States. 5¢.
 988 F. Larkspur or "poison weed." 5¢.
 1054 F. The loco-weed disease. 5¢.
 1161 F. Dodder. 5¢.
 1166 F. Poison ivy and poison sumac and their eradication. 5¢.
 1273 F. The stock-poisoning death camas. 5¢.
 1537 F. Johnson grass as a weed. 5¢.

Leaflets:

- 43 L. Wild garlic and its control. 5¢.
 88 L. Poisoning of livestock by plants that produce hydrocyanic acid. 5¢.
 95 L. How to control ragweed, the principal cause of autumn hay fever. 5¢.
 175 L. Eradication of the cultivated black currant in white pine regions. 5¢.
 210 L. Pricklypear control on short-grass range in the central Great Plains. 5¢.

Department Bulletins:

- *1012 D. The death camas species, *Zygadenus paniculatus* and *Z. elegans*, as poisonous plants. 10¢.
 *1245 D. Stock-poisoning plants of the range. 50¢.
 *1391 D. Rayless goldenrod (*Aplopappus heterophyllus*) as a poisonous plant. 5¢.

Department Circulars:

- *108 DC. Chicory: Control and eradication. 5¢.

Miscellaneous Publications:

- 131 MP. A dangerous neighbor for wheat, oats, barley, and rye: (Barberry.) 5¢.

Technical Bulletins:

- 219 T. Mountain-laurel (*Kalmia latifolia*) and sheep laurel (*Kalmia angustifolia*) as stock-poisoning plants. 10¢.
 *240 T. The chemical eradication of *Ribes*. 10¢.
 261 T. Longevity and germination of seeds of *Ribes*, particularly *R. rotundifolium*, under laboratory and natural conditions. 15¢.
 *300 T. Susceptibility and resistance of *Berberis* and related genera to *Puccinia graminis*. 10¢.
 *391 T. Alpine kalmia (*Kalmia microphylla*) as a stock-poisoning plant. 5¢.
 472 T. The desert milkweed (*Asclepias subulata*) as a possible source of rubber. 5¢.
 548 T. Control of southern celery mosaic in Florida by removing weeds that serve as sources of mosaic infection. 5¢.
 580 T. Toxicity of arrowgrass for sheep and remedial treatment. 5¢.
 *648 T. Comparative susceptibility of crop plants to sodium chlorate injury. 10¢.
 654 T. Changes in weedy plant cover on cleared sagebrush land and their probable causes. 10¢.
 *692 T. Chemical and mechanical methods of ribes eradication in the white-pine areas of the Western States. 15¢.

PUERTO RICO

Circulars:

- 519 C. The tobacco industry in Puerto Rico. 10¢.

Miscellaneous Publications:

- *243 MP. Manual of the grasses of the West Indies. \$1.25, bound.

Puerto Rico Experiment Station Bulletins:

- *32 PRB. Effect of topping on yield of coffee in Puerto Rico. 5¢.
 *35 PRB. Sugarcane variety P. O. J. 2878 in Puerto Rico. 5¢.
 *36 PRB. Parasites and parasitic diseases of cattle in Puerto Rico. 5¢.
 *37 PRB. Parasites and parasitic diseases of horses in Puerto Rico. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Puerto Rico Experiment Station Bulletins—Continued.

- *38 PRB. Parasites and parasitic diseases of swine in Puerto Rico. 5¢.
- *39 PRB. Insects and a mite found on cotton in Puerto Rico, with notes on their economic importance and natural enemies. 5¢.
- *40 PRB. A study of the adult populations of the West Indian fruitfly in citrus plantings in Puerto Rico. 10¢.

Puerto Rico Experiment Station Circulars:

- *17 PRC. Some means of controlling insects, fungi, and other pests in Puerto Rico. 5¢.
- *22 PRC. An annotated check list of the parasites of animals in Puerto Rico. 5¢.
- *23 PRC. Experiments in controlling corn ear pests in Puerto Rico. 5¢.

Yearbook Separates:

- 1796 Y. Climate and settlement of Puerto Rico and the Hawaiian Islands. (1941.) 5¢.

Unnumbered:

- Informe de la estación experimental de Puerto Rico, 1939. (In Spanish.)
- La conservación del suelo en Puerto Rico. (In Spanish.)
- Metodos modernos para conservación de suelos en Puerto Rico. (In Spanish.)

†Annual Reports of the Puerto Rico Agricultural Experiment Station:

- *1936, 20¢; *1937, 15¢; *1938, 20¢; 1939, 20¢.

SOILS

(See also Bureau List: Agricultural Conservation and Adjustment Administration, and Agricultural Research Administration; and Charts—Maps—Posters)

GENERAL**Farmers' Bulletins:**

- 1629 F. Steam sterilization of soil for tobacco and other crops. 5¢.

Circulars:

- 56 C. Methods for determining the hydrogen-ion concentration of soils. 5¢.
- *95 C. Subsoil, an important factor in the growth of apple trees in the Ozarks. 10¢.
- 139 C. Method and procedure of soil analysis used in the Division of Soil Chemistry and Physics. 5¢.
- 167 C. Moss peat, its uses and distribution in the United States. 5¢.
- 290 C. Grades of peat and muck for soil improvement. 5¢.
- *303 C. Soil profile and root penetration as indicators of apple production in the Lake Shore district of western New York. 5¢.
- 492 C. Pecan soils of the Gulf and Southeastern States and maintenance of their fertility. 10¢.

Department Bulletins:

- *572 D. The recovery of potash as a byproduct in the cement industry. 5¢.
- *1226 D. The recovery of potash as a byproduct in the blast-furnace industry. 5¢.
- 1419 D. Factors and problems in the selection of peat lands for different uses. 10¢.

Miscellaneous Publications:

- 248 MP. Peat land in the Pacific Coast States in relation to land and water resources. 15¢.
- 259 MP. Comparison of various chemical quick tests on different soils. 5¢.
- 274 MP. Soil survey manual. 35¢.
- 312 MP. Bibliography on soil erosion and soil and water conservation. 60¢.
- *425 MP. Preliminary color standards and color names for soils. \$3.00.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

†Copies of the 1937–1939 reports are available in Spanish from the Puerto Rico Agr. Expt. Sta., Mayaguez, P. R.

United States Department of Agriculture.

Technical Bulletins:

- 170 T. A pipette method of mechanical analysis of soils based on improved dispersion procedure. 5¢.
- 178 T. Properties of soils which influence soil erosion. 5¢.
- 211 T. Some methods for detecting differences in soil organic matter. 5¢.
- 228 T. Character of the colloidal materials in the profiles of certain major soil groups. 5¢.
- 316 T. Physical and chemical characteristics of the soils from the erosion experiment stations. 5¢.
- 344 T. Petrographic methods for soil laboratories. 10¢.
- 371 T. The effect of different colloidal soil materials on the efficiency of superphosphate. 5¢.
- 389 T. The decomposition of hydrolytic peat products including ammoniated peat. 5¢.
- 399 T. A study of claypan soils. 5¢.
- 430 T. The physical and chemical characteristics of the soils from the erosion experiment stations—second report. 10¢.
- *443 T. Application of steam in the sterilization of soils. 5¢.
- 461 T. Base exchange and related properties of the colloids of soils from the erosion experiment stations. 5¢.
- *471 T. Chemical studies of infertile soils derived from rocks high in magnesium and generally high in chromium and nickel. 5¢.
- 482 T. Selenium occurrence in certain soils in the United States with a discussion of related topics. First report. 5¢.
- 484 T. The composition and constitution of the colloids of certain of the great groups of soils. 5¢.
- *491 T. Soil moisture and irrigation investigations in eastern apple orchards. 5¢.
- 502 T. The chemical and physical properties of dry-land soils and of their colloids. 10¢.
- 530 T. Selenium occurrence in certain soils in the United States with a discussion of related topics. Second report. 10¢.
- 532 T. The comparative moisture-absorbing and moisture-retaining capacities of peat and soil mixtures. 5¢.
- 542 T. Neutralization curves of the colloids of soils representative of the great soil groups. 10¢.
- 552 T. Trace elements in the soils from the erosion experiment stations, with supplementary data on other soils. 5¢.
- 562 T. Some moisture relations of the soils from the erosion experiment stations. 10¢.
- 584 T. Chemical and physical studies of certain Hawaiian soil profiles. 10¢.
- 594 T. The chemical composition of soils and colloids of the Norfolk and related soil series. 25¢.
- *601 T. Selenium occurrence in certain soils in the United States with a discussion of related topics. Third report. 15¢.
- 609 T. Chemical and physical properties of certain soils developed from granitic materials in New England and the Piedmont, and of their colloids. 10¢.
- 617 T. Conservation and use of soil moisture at Mandan, N. Dak. 10¢.
- 678 T. A chemical study of some soils derived from limestone. 5¢.
- 690 T. The acidic properties of peat and muck. 10¢.
- 696 T. The behavior of boron in soils. 15¢.
- 702 T. Selenium occurrence in certain soils in the United States, with a discussion of related topics. Fourth report. 10¢.
- 713 T. Types of vegetation in Escalante Valley, Utah, as indicators of soil conditions. 30¢.
- 729 T. Relative infiltration and related physical characteristics of certain soils. 10¢.
- 732 T. Arsenic distribution in soils and its presence in certain plants. 5¢.
- 745 T. Hardpan and microrelief in certain soil complexes of California. 15¢.
- 752 T. Rock weathering and soil profile development in the Hawaiian Islands. 10¢.
- 758 T. Selenium occurrence in certain soils in the United States, with a discussion of related topics: Fifth report. 15¢.
- 783 T. Selenium occurrence in certain soils in the United States, with a discussion of related topics: Sixth report. 5¢.

Yearbooks:

- *1938 YB. Soils and men. \$1.75.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Yearbook Separates:

- *717 Y. Importance of developing our natural resources of potash. (1916.) 5¢.
- *1452 Y. Soil survey is the necessary basis of land classification. (1934.) 5¢.
- 1624 Y. Tillage. (1938.) 5¢.
- 1625 Y. Tillage machinery. (1938.) 5¢.
- *1626 Y. Loss of soil organic matter and its restoration. (1938.) 5¢.
- *1633 Y. The nature and use of organic amendments. (1938.) 5¢.
- *1645 Y. Special dry-farming problems. (1938.) 5¢.
- *1646 Y. Irrigation in the United States. (1938.) 5¢.
- *1647 Y. Soil, water supply, and soil solution in irrigation agriculture. (1938.) 5¢.
- *1648 Y. Drainage in arid regions. (1938.) 5¢.
- *1649 Y. Drainage in the humid regions. (1938.) 5¢.
- *1650 Y. Management of forest soils. (1938.) 5¢.
- *1651 Y. The soil requirements of economic plants. (1938.) 10¢.
- *1652 Y. Some relationships of soil to plant and animal nutrition: The major elements. (1938.) 10¢.
- 1653 Y. Neglected soil constituents that affect plant and animal development. (1938.) 10¢.
- 1654 Y. Selenium in soils. (1938.) 5¢.
- *1656 Y. Soil and society. (1938.) 10¢.
- *1657 Y. The physical nature of soil. (1938.) 5¢.
- 1658 Y. Water relations of soils. (1938.) 5¢.
- *1659 Y. General chemistry of the soil. (1938.) 10¢.
- 1660 Y. Soil organic matter and soil humus. (1938.) 5¢.
- 1661 Y. Fauna and flora of the soil. (1938.) 5¢.
- *1664 Y. Soil maps and their use. (1938.) 5¢.
- 1666 Y. A glossary of special terms used in the soils yearbook. (1938.) 5¢.
- 1667 Y. Literature cited for Yearbook of Agriculture, 1938. 10¢.
- 1800 Y. Climate and soil. (1941.) 5¢.

Unnumbered:

Separate from Atlas of American Agriculture:

*Soils of the United States. \$5.00.

▲▲ SOIL BUILDING CROPS AND FERTILIZERS

(See also under specific crop)

Farmers' Bulletins:

- 1148 F. Cowpeas: Culture and varieties. 5¢.
- 1153 F. Cowpeas: Utilization. 5¢.
- 1276 F. The velvet bean. 5¢.
- 1520 F. Soybeans: Culture and varieties. 10¢.
- 1617 F. Soybean utilization. 5¢.
- 1653 F. Sweetclover in Corn Belt farming. 5¢.
- *1663 F. ▲ Winter legumes for green manure in Cotton Belt. 5¢.
- 1722 F. Growing alfalfa. 10¢.
- 1740 F. Vetch culture and uses. 5¢.
- 1741 F. Bur-clover cultivation and utilization. 5¢.
- 1750 F. ▲ Summer crops for green manure and soil improvement. 5¢.
- 1758 F. Cover crops for soil conservation. 5¢.
- 1784 F. ▲ Nitrogen fixing bacteria and legumes. 5¢.
- 1801 F. ▲ Making lime on the farm. 5¢.
- 1803 F. Culture and pests of field peas. 5¢.
- 1845 F. ▲ The liming of soils. 5¢.
- 1852 F. Lespedeza culture and utilization. 5¢.

Leaflets:

- 23 L. Sweet clover. 5¢.
- 70 L. Home mixing of fertilizers. 5¢.
- 71 L. Fertilizers for pecan soils. 5¢.
- 91 L. Kudzu: A forage crop for the Southeast. 5¢.
- 163 L. Legumes in soil conservation practices. 5¢.
- 165 L. ▲ Soil-depleting, soil-conserving and soil-building crops. 5¢.

Circulars:

- *185 C. New fertilizer materials. 5¢.
- *192 C. Progress report on mechanical application of fertilizers to cotton in South Carolina, 1930. 10¢.
- *264 C. Mechanical application of fertilizers to cotton in South Carolina, 1931. 5¢.
- 319 C. Fertilizer studies with sugar beets in the Arkansas Valley area, Colo., 1921-28. 5¢.
- *399 C. Machine placement of fertilizers for snap beans in Florida. 5¢.

*For sale only. (See p. 3. How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Circulars—Continued.

- 436 C. Production and agricultural use of sodium nitrate. 5¢.
- *487 C. Selecting fertilizers. 5¢.
- *498 C. Effect of potash on grade, shape, and yield of certain varieties of sweetpotatoes grown in South Carolina. 5¢.
- 578 C. Production and agricultural use of ammonium sulfate. 5¢.

Department Bulletins:

- *1413 D. Cocoa byproducts and their utilization as fertilizer materials. 10¢.
- *1418 D. Fertilizer experiments with alfalfa conducted at the United States Yuma Field Station, Bard, Calif., 1919 to 1925. 5¢.

Miscellaneous Publications:

- 126 MP. Fertilizers for cotton soils. 5¢.
- 400 MP. Sources and available supplies of commercial fertilizers. 5¢.
- *412 MP. Legumes for erosion control and wildlife. 65¢ (buckram).

Technical Bulletins:

- 335 T. Fertilizers for sweetpotatoes based on investigations in North Carolina. 5¢.
- 371 T. The effect of different colloidal soil materials on the efficiency of superphosphate. 5¢.
- *426 T. The relation of fertilizers to the control of cotton root rot in Texas. 10¢.
- 452 T. Experiments with nitrogen fertilizers on cotton soils. 5¢.
- 543 T. Blast-furnace processes for the production of phosphatic and potassic fertilizer materials. 10¢.
- 586 T. Effect of fertilizers on composition of soybean hay and seed and of crop management on carbon, nitrogen, and reaction of Norfolk sand. 10¢.
- 669 T. Fertilizer placement for potatoes. 20¢.
- 718 T. Fertilizer experiments with rice in California. 5¢.
- 769 T. Peat resources in Alaska. 15¢.
- 781 T. Arsenic in natural phosphates and phosphate fertilizers. 10¢.

Yearbook Separates:

- 1628 Y. Phosphorus deficiency and soil fertility. (1938.) 10¢.
- 1632 Y. ▲ Farm manure. (1938.) 10¢.
- 1635 Y. ▲ Fertilizer materials. (1938.) 10¢.

SOIL CONSERVATION**GENERAL**

(See also Bureau List: Agricultural Adjustment Administration, and Soil Conservation Service; Charts—Maps—Posters; Forestry: Forest Influences; Water; Weather and Climate)

Leaflets:

- 164 L. Erosion on roads and adjacent lands. 5¢.

Circulars:

- *33 C. Soil erosion a National menace. 25¢.
- 380 C. Erosion and control on mountain roads. 10¢.
- 412 C. Groups of plants valuable for wildlife utilization and erosion control. 5¢.
- 559 C. Review and discussion of literature pertinent to crop rotations for erodible soils. 10¢.
- 608 C. Surface condition of soil and time of application as related to intake of water. 10¢.

Hydrologic Bulletins:

- *1 HB. Hydrologic data: North Appalachian Experimental Watershed, Cashoctan, Ohio. 1939. 40¢.

Miscellaneous Publications:

- 286 MP. What is soil erosion? 15¢.
- 293 MP. Soil conservation districts for erosion control. 10¢.
- *303 MP. Native woody plants of the United States: Their erosion-control and wildlife values. \$1.50, paper cover; \$1.75, buckram.
- 312 MP. Bibliography on soil erosion and soil and water conservation. 60¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Miscellaneous Publications—Continued.

- 321 MP. To hold this soil. 45¢.
 331 MP. The land in flood control. 10¢.
 352 MP. Soil conservation survey handbook. 20¢.
 372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance. 10¢.
 397 MP. Influences of vegetation and watershed treatments on runoff, silting, and stream flow. 15¢.
 404 MP. The slotted-templet method for controlling maps made from aerial photographs. 15¢.
 411 MP. Working plans for permanent farms. 15¢.
 446 MP. Publications and visual information on soil conservation. 10¢.
 448 MP. Soil conservation districts in action on the land. 15¢.
 449 MP. Early American soil conservationists. 15¢.
 463 MP. A method of estimating the economic effects of planned conservation in an individual farm. 10¢.

Technical Bulletins:

- 178 T. Properties of soils which influence soil erosion. 5¢.
 *184 T. Erosion and silting of dredged drainage ditches. 25¢.
 316 T. Physical and chemical characteristics of the soils from the erosion experiment stations. 5¢.
 430 T. The physical and chemical characteristics of the soils from the erosion experiment stations. Second report. 10¢.
 461 T. Base exchange and related properties of the colloids of soils from the erosion experiment stations. 5¢.
 *524 T. Silting of reservoirs. \$1.00.
 695 T. Some principles of accelerated stream and valley sedimentation. 75¢.
 698 T. Rainfall characteristics as related to soil erosion. 10¢.
 729 T. Relative infiltration and related physical characteristics of certain soils. 10¢.

Yearbooks:

- *1938 YB. Soils and men. \$1.75.

Yearbook Separates:

- 1613 Y. The Nation and the soil. The causes: Traditional attitudes and institutions. (1938.) 5¢.
 *1618 Y. The Nation and the soil. The remedies: Policies for public lands. (1938.) 5¢.
 *1620 Y. The Nation and the soil. The remedies: Changes in agricultural finance. (1938.) 5¢.
 1639 Y. General aspects of the soil-erosion problem. (1938.) 5¢.
 1640 Y. Forests for erosion control. (1938.) 5¢.
 1644 Y. The coordinated approach of soil-erosion control. (1938.) 5¢.
 1738 Y. The challenge of conservation. (1940.) 5¢.
 1739 Y. Our soil can be saved. (1940.) 5¢.

Unnumbered:

- *A standard State soil conservation districts law. 10¢.
 Guarding a heritage. 5¢.
 *Headwaters: Control and use. \$1.00.
 La conservación del suelo en Puerto Rico. (In Spanish.) 10¢.
 Land use and soil conservation: Informational material available to the public from the U. S. Department of Agriculture, Soil Conservation Service.
 *Little waters: Their use and relations to the land. 30¢.
 Metodos modernos para conservación de suelo en Puerto Rico. (In Spanish.) 15¢.
 New landmarks of soil conservation. 10¢.
 Soils and security. 5¢.
 *The future of the Great Plains. 50¢.
 The land we defend.
 Ten billion little dams.
 The work of the Soil Conservation Service. 5¢.

Posters:

- Prevent fire, save the grass, protect the soil. 11 by 14 inches. Colored.
 Soil conservation is vital to you. 13½ by 19 inches. Colored.

*For sale only. * (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

REGIONAL

(See also Soil Conservation—General)

GREAT PLAINS REGION (NORTHERN)

(Montana, Nebraska, North Dakota, South Dakota, and Wyoming)

Farmers' Bulletins:

- 1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains. 5¢.
 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.
 1864 F. Toward soil security on the northern Great Plains. 15¢.

Circulars:

- 402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
 430 C. Emergency wind-erosion control. 5¢.

Conservation Folders:

- 1 CF. Save your soil: Contour strip cropping saves both soil and water.
 2 CF. Save your soil: Protected waterways in cultivated fields.
 3 CF. Save your soil: Wildlife and soil conservation go hand in hand.
 4 CF. Save your soil: Range improvement by proper stocking.
 5 CF. Save your soil: Strip cropping for control of wind erosion.
 6 CF. Save your soil: Save soil, moisture with contour tillage.

Miscellaneous Publications:

- 410 MP. Range conservation practices for the Great Plains. 10¢.

Unnumbered:

- An outline of the water facilities program. 10¢.
 Land-use adjustment in the Spring Creek area, [Campbell County, Wyoming. 10¢.
 Soil and water conservation in the northern Great Plains. 10¢.

GREAT PLAINS REGION (SOUTHERN)

(Kansas, the panhandle areas of Oklahoma and Texas, the extreme eastern section of New Mexico, and eastern Colorado)

Farmers' Bulletins:

- 1771 F. Preventing soil blowing on the southern Great Plains. 5¢.
 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.
 1825 F. Sand-dune reclamation in the southern Great Plains. 5¢.
 1833 F. Crops against the wind on the southern Great Plains. 10¢.

Circulars:

- *402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
 430 C. Emergency wind-erosion control. 5¢.

Miscellaneous Publications:

- 186 MP. Reconnaissance erosion survey of the Brazos River watershed, Texas. 10¢.
 334 MP. Land facts on the southern plains. 30¢.
 410 MP. Range conservation practices for the Great Plains. 10¢.
 474 MP. The cotton-and-tobacco South. 10¢.

Technical Bulletins:

- 556 T. Soil conservation reconnaissance survey of the southern Great Plains wind-erosion area. 25¢.
 567 T. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare. 15¢.

Unnumbered:

- An outline of the water facilities program. 10¢.
 Conservation farming for the hard lands of the southern Great Plains. 15¢.
 Conservation farming for the sandy lands of the southern Great Plains. 10¢.
 Conservation practices for the range land of the southern Great Plains. 15¢.

*Problem-area groups of land in the southern Great Plains. 30¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture,

GULF REGION (WESTERN)

(Arkansas, Louisiana, Oklahoma, and Texas)

Farmers' Bulletins:

1809 F. Soil defense in the South. 10¢.

Miscellaneous Publications:

186 MP. Reconnaissance erosion survey of the Brazos River watershed, Texas. 10¢.

301 MP. Erosion and its control in Oklahoma Territory. 15¢.

474 MP. The cotton-and-tobacco South. 10¢.

Unnumbered:

Plowing for terrace maintenance in the South. 5¢.

Terrace construction with small equipment in the South. 5¢.

MISSISSIPPI REGION (UPPER)

(Illinois, Iowa, Minnesota, Missouri, and Wisconsin)

Farmers' Bulletins:

1795 F. Conserving Corn Belt soil. 15¢.

Miscellaneous Publications:

394 MP. Farms the rains can't take. 5¢.

Technical Bulletins:

558 T. Soil and water conservation investigations at the Soil Conservation Experiment Station, Missouri Valley loess region, Clarinda, Iowa. Progress report, 1931-35. 20¢.

Unnumbered:

From ridge to river. 5¢.

*Topsoil: Its preservation. 10¢.

Use the land and save the soil. 5¢.

NORTHEASTERN REGION

(Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, West Virginia)

Farmers' Bulletins:

1810 F. Soil defense in the Northeast. 15¢.

1868 F. Wildlife management through soil conservation on farms in the Northeast. 10¢.

Unnumbered:

Erosion control in the Northeast. 10¢.

New landmarks of soil conservation.

OHIO VALLEY REGION

(Indiana, Kentucky, Michigan, Ohio, and Tennessee)

Farmers' Bulletins:

1795 F. Conserving Corn Belt soil. 15¢.

1836 F. Saving soil with sod in the Ohio Valley region. 5¢.

Circulars:

490 C. Soil erosion in the Karst lands of Kentucky: Physiographic conditions affecting erosion and land use in areas underlain by soluble limestone. 15¢.

588 C. Soil losses from cultivated strips in strip-cropped fields in the Ohio Valley region. 5¢.

Unnumbered:

Anchoring farmlands in the Ohio Valley region. 5¢.

New landmarks of soil conservation.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

PACIFIC NORTHWEST REGION

(Idaho, Oregon, and Washington)

Farmers' Bulletins:

- *1773 F. Soil and water conservation in the Pacific Northwest. 10¢.
 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.

Circulars:

- 482 C. Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity. 5¢.

Technical Bulletins:

- 528 T. Conditions influencing erosion on the Boise River watershed. 5¢.

Unnumbered:

- An outline of the water facilities program. 10¢.

PACIFIC SOUTHWEST REGION

(California and Nevada)

Farmers' Bulletins:

- 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.
 1848 F. Soil defense in the Pacific Southwest. 15¢.

Technical Bulletins:

- 639 T. Effect of accelerated erosion on silting in Morena Reservoir, San Diego County, Calif. 30¢.

Unnumbered:

- An outline of the water facilities program. 10¢.
 Erosion losses from a 3-day California storm. 5¢.
 Land-saving plans for conservation in the Pacific Southwest.

SOUTHEASTERN REGION

(Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Virginia)

Farmers' Bulletins:

- 1767 F. Soil defense in the Piedmont. 15¢.
 1788 F. Wildlife conservation through erosion control in the Piedmont. 5¢.
 1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast. 5¢.
 1840 F. Kudzu for erosion control in the Southeast. 5¢.

Leaflets:

- 188 L. Protecting field borders. 5¢.
 190 L. Mulching to establish vegetation on eroded areas of the Southeast. 5¢.
 200 L. Shrubs for wildlife on farms in the Southeast. 5¢.

Circulars:

- 347 C. Effect of cover on surface run-off and erosion in the loessial uplands of Mississippi. 5¢.

Miscellaneous Publications:

- 256 MP. Early erosion-control practices in Virginia. 10¢.
 407 MP. The story of soil conservation in the South Carolina Piedmont 1800-1860. 10¢.
 474 MP. The cotton-and-tobacco South. 10¢.

Technical Bulletins:

- 633 T. Principles of gully erosion in the Piedmont of South Carolina. 65¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Unnumbered:

- Plowing for terrace maintenance in the South. 5¢.
Terrace construction with small equipment in the South. 5¢.

SOUTHWEST REGION

(Arizona, western Colorado, New Mexico, and Utah)

Farmers' Bulletins:

- 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.

Leaflets:

- 114 L. Vine-mesquite for erosion control on southwestern ranges. 5¢.

Circulars:

- 402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
430 C. Emergency wind-erosion control. 5¢.

Miscellaneous Publications:

- *196 MP. Floods and accelerated erosion in northern Utah. 5¢.
338 MP. Soil defense of range and farm lands in the Southwest. 10¢.

Technical Bulletins:

- 220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah. 20¢.
794 T. Erodibility investigations on some soils of the upper Gila watershed. 10¢.

Unnumbered:

- An outline of the water facilities program. 10¢.

▲▲ SOIL CONSERVING CROPS AND PRACTICES

(See also under specific crop)

Farmers' Bulletins:

- 1126 F. Sudan grass. 5¢.
1254 F. Important cultivated grasses. 5¢.
1597 F. The production of Johnson grass for hay and pasturage. 5¢.
1602 F. Reed canary grass. 5¢.
1640 F. Fall-sown oat production. 5¢.
1722 F. Growing alfalfa. 10¢.
1758 F. ▲ Cover crops for soil conservation. 5¢.
1770 F. High-grade timothy and clover hay: Methods of producing, baling, and loading for market. 5¢.
1771 F. Preventing soil blowing on the southern Great Plains. 5¢.
1776 F. ▲ Strip cropping for soil conservation. 5¢.
1789 F. ▲ Terracing for soil and water conservation. 10¢.
1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast. 5¢.
1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. 10¢.
1813 F. Prevention and control of gullies. 10¢.
1814 F. Terrace outlets and farm drainage ways. 10¢.
1825 F. Sand-dune reclamation in the southern Great Plains. 5¢.
1833 F. Crops against the wind on the southern Great Plains. 10¢.
1840 F. Kudzu for erosion control in the Southeast. 5¢.
1852 F. Lespedeza culture and utilization. 5¢.
1859 F. Stock-water developments: Wells, springs, and ponds. 10¢.

Leaflets:

- 91 L. Kudzu: A forage crop for the Southeast. 5¢.
104 L. Crested wheatgrass. 5¢.
110 L. Why red clover fails. 5¢.
114 L. Vine-mesquite for erosion control on southwestern ranges. 5¢.
163 L. Legumes in soil conservation practices. 5¢.
165 L. Soil-depleting, soil-conserving and soil-building crops. 5¢.
188 L. Protecting field borders. 5¢.
190 L. Mulching to establish vegetation on eroded areas of the Southeast. 5¢.
200 L. Shrubs for wildlife on farms in the Southeast. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Circulars:

- 328 C. Methods of reestablishing buffalo grass on cultivated land in the Great Plains. 10¢.
 *402 C. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. 5¢.
 430 C. Emergency wind-erosion control. 5¢.
 534 C. *Lespedeza sericea* and other perennial lespedezas for forage and soil conservation. 10¢.
 536 C. The annual lespedezas as forage and soil-conserving crops. 10¢.
 559 C. Review and discussion of literature pertinent to crop rotations for erodible soils. 10¢.

Miscellaneous Publications:

- 194 MP. A pasture handbook. 10¢.
 253 MP. Conservation farming practices and flood control. 10¢.
 411 MP. Working plans for permanent farms. 15¢.

Technical Bulletins:

- 742 T. Methods of distinguishing between the shipmast and common forms of black locust on Long Island, N. Y. 10¢.

Yearbook Separates:

- 1641 Y. Grass and other thick-growing vegetation in erosion control. (1938.) 5¢.
 1642 Y. Strip cropping. (1938.) 5¢.
 1643 Y. Mechanical measures of erosion control. (1938.) 5¢.

Unnumbered:

- Better harvests through conservation farming. 5¢.
 On the level—Contour cultivation in conservation farming.
 Plowing for terrace maintenance in the South. 5¢.
 Terrace construction with small equipment in the South. 5¢.

EROSION SURVEY REPORTS

Local distribution offices of the Soil Conservation Service supply farmers and land owners within the surveyed areas with the reports and maps covering their farms. Other free distribution is restricted to Federal, State, and county officials, librarians, and educators in the surveyed areas. Persons not entitled to free copies may buy them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at the prices shown.

Information regarding the availability of reports for specific areas that have not yet been issued may be secured from the nearest field office of the Soil Conservation Service, or from the U. S. Department of Agriculture, Washington, D. C.

Future reports in this series will be called "Physical Land Surveys."

The following reports have been issued to date:

Arkansas:

Erosion and related land use conditions in the Illinois Bayou soil conservation district, Arkansas. Erosion Survey No. 18. 35¢.

Connecticut:

Erosion and related land use conditions on the Scantic River watershed, Connecticut-Massachusetts. Erosion Survey No. 6. 15¢.

Georgia:

Erosion and related land use conditions of the Lloyd Shoals Reservoir watershed, Georgia. Erosion Survey No. 10. 35¢.

Kansas:

Erosion and related land use conditions on the West Tany Creek demonstration project, Kansas. Erosion Survey No. 21. 20¢.

Maine:

Erosion and related land use conditions on the Presque Isle demonstration project, Maine. Erosion Survey No. 19. 20¢.

Massachusetts:

Erosion and related land use conditions on the Scantic River watershed, Connecticut-Massachusetts. Erosion Survey No. 6. 15¢.

Minnesota:

Erosion and related land use conditions in Winona County, Minnesota. Erosion Survey No. 17. 20¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Mississippi:

Erosion and related land use conditions on the Hell and Mud Creeks demonstration project, Mississippi. Erosion Survey No. 12. 10¢.

Montana:

Erosion and related land use conditions on the Froid demonstration project, Montana. Erosion Survey No. 1. 25¢.

Nebraska:

Erosion and related land use conditions on the Box Elder Creek Project, Nebraska. Erosion Survey No. 22. 20¢.

North Carolina:

Erosion and related land use conditions on the Lake Michie watershed, near Durham, North Carolina. Erosion Survey No. 11. 15¢.

*Erosion and related land use conditions on the Reedy Fork demonstration area, North Carolina. Erosion Survey No. 2. 10¢.

Erosion and related land use conditions on the University Lake watershed, Chapel Hill, North Carolina. Erosion Survey No. 8. 25¢.

North Dakota:

Erosion and related land use conditions on the Minot area., North Dakota. Erosion Survey No. 3. 65¢.

Ohio:

Erosion and related land use conditions on the Muskingum River watershed, Ohio. Erosion Survey No. 7. \$1.00.

Oregon:

Erosion and related land use conditions on the Chehalem Mountain demonstration project, Oregon. Erosion Survey No. 20. 20¢.

Pennsylvania:

Erosion and related land use conditions in the Conestoga area, Pennsylvania. Erosion Survey No. 15. 40¢.

Erosion and related land use conditions on the Crooked Creek project, near Indiana, Pa. Erosion Survey No. 16. 20¢.

South Carolina:

Erosion and related land use conditions on the Spartanburg Municipal Reservoir watershed, South Carolina. Erosion Survey No. 9. 20¢.

Texas:

Erosion and related land use conditions on the Elm Creek watershed, Texas. Erosion Survey No. 4. 10¢.

Erosion and related land use conditions on the watershed of White Rock Reservoir near Dallas, Texas. Erosion Survey No. 5. 20¢.

Erosion and related land use conditions on the Lake Crook watershed, Lamar County, Texas. Erosion Survey No. 14. 20¢.

Vermont:

Erosion and related land use conditions on the Mad River watershed, Vermont. Erosion Survey No. 13. 25¢.

WATER

(See also Weather and Climate)

GENERAL**Farmers' Bulletins:**

1078 F. Harvesting and storing ice on the farm 5¢.

1426 F. Farm plumbing. 5¢.

*1448 F. Farmstead water supply. 5¢.

1460 F. Simple plumbing repairs in the home. 5¢.

1658 F. Farm water power. 5¢.

1789 F. Terracing for soil and water conservation. 10¢.

1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast. 5¢.

1859 F. Stock-water developments: Wells, springs, and ponds. 10¢.

1879 F. Ponds for wildlife. 10¢.

Leaflets:

120 L. Excluding birds from reservoirs and fish ponds. 5¢.

County Planning Series:

15 CPS. Western water law. 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

United States Department of Agriculture.

Hydrologic Bulletins:

- *1 HB. Hydrologic data: North Appalachian Experimental Watershed, Coshocton, Ohio, 1939. 40¢.

Miscellaneous Publications:

- 204 MP. Rainfall intensity-frequency data. 10¢.
380 MP. Snow surveying. 10¢.

Yearbook Separates:

- 1658 Y. Water relations of soils. (1938.)

Unnumbered:

- An outline of the water facilities program. 10¢.
*Little waters: Their use and relations to the land 30¢.

DRAINAGE**Farmers' Bulletins:**

- 805 F. The drainage of irrigated farms. 5¢.
*815 F. Organization, financing, and administration of drainage districts. 5¢.
1606 F. Farm drainage. 5¢.
1789 F. Terracing for soil and water conservation. 10¢.
1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast. 5¢.
1814 F. Terrace outlets and farm drainageways. 10¢.

Circulars:

- 599 C. A combination suspended-load sampler and velocity meter for small streams. 5¢.

Department Bulletins:

- *198 D. A report upon the Cypress Creek drainage district, Desha and Chicot counties, Arkansas. 40¢.
*852 D. The flow of water in concrete pipe. 25¢.
*1017 D. Report on drainage and prevention of overflow in the valley of the Red River of the North. 50¢.

Miscellaneous Publications:

- 204 MP. Rainfall intensity-frequency data. 10¢.
372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance. 10¢.

Technical Bulletins:

- 129 T. Flow of water in drainage channels: The results of experiments to determine the roughness coefficient n in Kutter's formula. 40¢.
150 T. The flow of water in riveted steel and analogous pipes. 30¢.
*184 T. Erosion and silting of dredged drainage ditches. 25¢.
269 T. Economical use of large tile for land drainage. 5¢.
*327 T. Cost of pumping for drainage in the Upper Mississippi Valley. 10¢.
429 T. Pile trestles as channel obstructions. 10¢.
*442 T. Bridge piers as channel obstructions. 10¢.
526 T. Flow of water around 180-degree bends. 10¢.
577 T. Flow of water through 6-inch pipe bends. 15¢.
639 T. Effect of accelerated erosion on silting in Morena Reservoir, San Diego County, Calif. 30¢.
695 T. Some principles of accelerated stream and valley sedimentation. 75¢.

Yearbook Separates:

- *640 Y. The economy of farm drainage. (1914.) 5¢.
*1648 Y. Drainage in arid regions. (1938.) 5¢.
1649 Y. Drainage in the humid regions. (1938.) 5¢.

FLOODS**Circulars:**

- *19 C. Forests and floods. 5¢.

Hydrologic Bulletins:

- *1 HB. Hydrologic data: North Appalachian Experimental Watershed, Coshocton, Ohio, 1939. 40¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Miscellaneous Publications:

- *196 MP. Floods and accelerated erosion in northern Utah. 5¢.
- 253 MP. Conservation farming practices and flood control. 10¢.
- 331 MP. The land in flood control. 10¢.
- 397 MP. Influences of vegetation and watershed treatments on runoff, silting, and stream flow. 15¢.

Yearbook Separates:

- 1817 Y. Flood hazards and flood control. (1941.)

Unnumbered:

- First aid for flooded homes and farms.
- *Headwaters: Control and use. \$1.00.
- Ten billion little dams.

IRRIGATION**Farmers' Bulletins:**

- 805 F. The drainage of irrigated farms. 5¢.
- *1348 F. The corrugation method of irrigation. 5¢.
- *1404 F. Pumping from wells for irrigation. 5¢.
- 1518 F. Orchard irrigation. 5¢.
- 1556 F. Irrigation of small grain. 5¢.
- 1830 F. Irrigation practices in growing alfalfa. 5¢.
- 1683 F. Measuring water in irrigation channels. 15¢.
- 1846 F. Supplemental irrigation. 10¢.
- 1857 F. Small irrigation pumping plants. 5¢.
- 1867 F. Sugar-beet culture under irrigation in the northern Great Plains. 10¢.
- 1876 F. Irrigation problems in citrus orchards. 10¢.

Circulars:

- *188 C. Irrigated crop rotations in western South Dakota. 10¢.
- 546 C. Putting down and developing wells for irrigation. 15¢.

Department Bulletins:

- *462 D. Irrigation in Florida. 15¢.
- *852 D. The flow of water in concrete pipe. 25¢.
- *1340 D. Irrigation requirements of the arable lands of the Great Basin. 10¢.
- *1421 D. An economic study of irrigated farming in Twin Falls County, Idaho. 15¢.

Miscellaneous Publications:

- 204 MP. Rainfall intensity-frequency data. 10¢.
- 312 MP. Bibliography on soil erosion and soil and water conservation. 60¢.

Technical Bulletins:

- 150 T. The flow of water in riveted steel and analogous pipes. 30¢.
- 216 T. Effect of irrigation water on vigor and vitality of seed potatoes. 5¢.
- 429 T. Pile trestles as channel obstructions. 10¢.
- 432 T. Studies of the irrigation of pear orchards on heavy soil near Medford, Oreg. 5¢.
- 439 T. Policies governing the ownership of return waters from irrigation. 5¢.
- *442 T. Bridge piers as channel obstructions. 25¢.
- *491 T. Soil moisture, and irrigation investigations in eastern apple orchards. 5¢.
- *512 T. Irrigated crop rotations in western Nebraska. 5¢.
- *524 T. Silting of reservoirs. \$1.00.
- 526 T. Flow of water around 180-degree bends. 10¢.
- *571 T. Irrigated crop rotations at the Huntley (Mont.) Field Station, 1912-35. 10¢.
- 577 T. Flow of water through 6-inch pipe bends. 15¢.
- 578 T. Spreading water for storage under ground. 20¢.
- 652 T. Flow of water in irrigation and similar canals. 20¢.
- 675 T. Sewage irrigation as practiced in the Western States. 15¢.
- 746 T. Quality of irrigation waters of the Hollister area of California with special reference to boron content and its effect on apricots and prunes. 30¢.

Yearbook Separates:

- *771 Y. Arable land in the United States. (1918.) 5¢.
- *1415 Y. Irrigation of weeds and other noncrop plants costly and unprofitable. (1934.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

Yearbook Separates—Continued.

- *1646 Y. Irrigation in the United States. (1938.) 5¢.
 *1647 Y. Soil, water supply, and soil solution in irrigation agriculture. (1938.) 5¢.

Unnumbered:

- *Headwaters: Control and use. \$1.00.

†WEATHER AND CLIMATE**Farmers' Bulletins:**

- 1512 F. Protection of buildings and farm property from lightning. 5¢.
 1588 F. Frost and the prevention of frost damage. 10¢.

Circulars:

- 140 C. Handling livestock during drought. 5¢.
 398 C. Measuring fire weather and forest inflammability. 10¢.
 430 C. Emergency wind-erosion control. 5¢.
 451 C. Influence of climatological factors in the development of cercospora foot rot of winter wheat. 10¢.

Miscellaneous Publications:

- *196 MP. Floods and accelerated erosion in northern Utah. 5¢.
 204 MP. Rainfall intensity-frequency data. 10¢.
 253 MP. Conservation farming practices and flood control. 10¢.
 *421 MP. Atlas of climatic types in the United States, 1900-1939. \$1.25.

Separates from Agricultural Statistics:

- 9 S.A.S. Miscellaneous agricultural statistics. (1936.)
 39 S.A.S. Miscellaneous agricultural statistics. (1939.) 10¢.
 49 S.A.S. Miscellaneous agricultural statistics. (1940.) 10¢.

Technical Bulletins:

- 409 T. The influence of precipitation and grazing upon black grama grass range. 5¢.
 *510 T. Variations in naval-stores yields associated with weather and specific days between chippings. 5¢.
 589 T. Sources of moisture for precipitation in the United States. 10¢.
 636 T. Correlations between annual precipitation and the yield of spring wheat in the Great Plains. 5¢.
 698 T. Rainfall characteristics as related to soil erosion. 10¢.
 *761 T. Seasonal distribution of rainfall in relation to yield of winter wheat. 5¢.

Yearbooks:

- *1941 Y.B. Climate and man. \$1.75.

Yearbook Separates:

- *1258 Y. Miscellaneous agricultural statistics dealing with temperature, precipitation, and frost. (1932.) 5¢.
 1786 Y. Climate and man—a summary. (1941.) 10¢.
 1787 Y. Climatic change through the ages. (1941.) 10¢.
 1788 Y. Climate and the world pattern. (1941.) 10¢.
 1789 Y. The how and why of weather knowledge. (1941.) 10¢.
 1790 Y. The settlement of the humid East. (1941.) 5¢.
 1791 Y. Climate and settlement of the subhumid lands. (1941.) 5¢.
 1792 Y. Climate and settlement in the Great Plains. (1941.) 5¢.
 1793 Y. Climate and settlement of the arid region. (1941.) 5¢.
 1794 Y. Settlement and cultivation in the summer-dry climates. (1941.) 5¢.
 1795 Y. The colonization of northern lands. (1941.) 5¢.
 1796 Y. Climate and settlement in Puerto Rico and the Hawaiian Islands. (1941.) 5¢.
 1797 Y. Climate and future settlement. (1941.) 5¢.
 1798 Y. Comfort and disease in relation to climate. (1941.) 5¢.
 1799 Y. Health in tropical climates. (1941.) 5¢.
 1800 Y. Climate and soil. (1941.) 5¢.
 1801 Y. Effects of climatic factors on growing plants. (1941.) 5¢.
 1802 Y. Influence of climate and weather on growth of corn. (1941.) 5¢.
 1803 Y. Climate and small grains. (1941.) 5¢.
 1804 Y. Climate and sorghum. (1941.) 5¢.
 1805 Y. Climate and cotton. (1941.) 5¢.
 1806 Y. Climate and tobacco. (1941.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

†For additional information on weather and climate, write to the Weather Bureau, U. S. Department of Commerce, Washington, D. C.

United States Department of Agriculture.

Yearbook Separates—Continued.

- 1807 Y. Climate and vegetable crops. (1941.) 5¢.
- 1808 Y. Climatic adaptation of fruit and nut crops. (1941.) 5¢.
- 1809 Y. Climatic relations of sugarcane and sugar beet. (1941.) 5¢.
- 1810 Y. Climate and forage crops. (1941.) 5¢.
- 1811 Y. Climate and grazing. (1941.) 5¢.
- 1812 Y. Climate and the Nation's forests. (1941.) 5¢.
- 1813 Y. Climate and plant diseases. (1941.) 5¢.
- 1814 Y. Insects and the weather. (1941.) 5¢.
- 1815 Y. Climate and livestock production. (1941.) 5¢.
- 1816 Y. Climate in relation to worm parasites in livestock. (1941.) 5¢.
- 1818 Y. How the daily forecast is made. (1941.) 5¢.
- 1819 Y. The scientific basis of modern meteorology. (1941.)
- 1820 Y. Amateur forecasting from cloud formations. (1941.) 5¢.
- 1821 Y. World extremes of weather. (1941.) 5¢.
- 1822 Y. The climates of the world. (1941.) 5¢.
- 1823 Y. Climate and weather data for the United States. (1941.) 5¢.
- 1824 Y. Climates of the United States. (46 Maps.) (1941.) 10¢.

† **WILDLIFE**

BIRDS

Leaflets:

- 120 L. Excluding birds from reservoirs and fishponds. 5¢.

Circulars:

- 412 C. Groups of plants valuable for wildlife utilization and erosion control. 5¢.
- 504 C. Early winter food of ruffed grouse on the George Washington National Forest. 10¢.

Miscellaneous Publications:

- 127 MP. Peafowl and their care. 5¢.
- 270 MP. Post-mortem examinations of wild birds and mammals.

Technical Bulletins:

- 711 T. Economic status of the English sparrow in the United States. 15¢.

Yearbook Separates:

- 1518 Y. Waterfowl breeding grounds of Far North now poorly tenanted. (1935.) 5¢.
- *1519 Y. Waterfowl problems clarified by study of gunning practices. (1935.) 5¢.
- 1718 Y. Feeding requirements of gallinaceous upland game birds. (1939.) 10¢.

Diseases and Parasites: Birds

Miscellaneous Publications:

- 270 MP. Post-mortem examinations of wild birds and mammals.

Technical Bulletins:

- 49 T. Nematodes of pathological significance found in some economically important birds in North America. 5¢.
- 516 T. Species of *Capillaria* parasitic in the upper digestive tract of birds. 5¢.

Yearbook Separates:

- 1513 Y. Botulism is a factor in the decrease of western waterfowl. (1935.) 5¢.

GAME AND FUR-BEARING ANIMALS

Farmers' Bulletins:

- 1334 F. Home tanning of leather and small fur skins. 10¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. Do not combine orders.)

†For additional information on wildlife, write to the Fish and Wildlife Service, U. S. Department of the Interior, Chicago, Ill.

United States Department of Agriculture.

Circulars:

- 412 C. Groups of plants valuable for wildlife utilization and erosion control. 5¢.
 460 C. Silver fox pelt prices as affected by time of pelting, sex, and age. 10¢.

Yearbook Separates:

- 1603 Y. The breeding of fur animals. (1937.) 5¢.
 1717 Y. Nutrition of fur animals. (1939.) 5¢.

HARMFUL WILD MAMMALS**Farmers' Bulletins:**

- 1397 F. Mouse control in field and orchard. 5¢.

Leaflets:

- 60 L. Porcupine control in the Western States. 5¢.
 94 L. Hints on mountain-lion trapping. 5¢.
 109 L. Eliminating bats from buildings. 5¢.
 132 L. Den hunting as a means of coyote control. 5¢.

Circulars:

- 381 C. Rodents and moles as pests in bulb plantings. 5¢.

Technical Bulletins:

- 238 T. The pharmacology of thallium and its use in rodent control. 5¢.
 616 T. The reproductive cycle of the coyote. 10¢.
 706 T. Wild animal damage to seed and seedlings on cut-over Douglas fir lands of Oregon and Washington. 5¢.

WILDLIFE CONSERVATION**Farmers' Bulletins:**

- 1788 F. Wildlife conservation through erosion control in the Piedmont. 5¢.
 1868 F. Wildlife management through soil conservation on farms in the Northeast. 10¢.
 1879 F. Ponds for wildlife. 10¢.

Leaflets:

- 188 L. Protecting field borders. 5¢.
 200 L. Shrubs for wildlife on farms in the Southeast. 5¢.

Circulars:

- 412 C. Groups of plants valuable for wildlife utilization and erosion control. 5¢.

Miscellaneous Publications:

- 270 MP. Post-mortem examinations of wild birds and mammals.
 281 MP. A selected bibliography on management of western ranges, livestock, and wildlife. 45¢.
 291 MP. Teaching conservation of wildlife through 4-H clubs. 10¢.
 *303 MP. Native woody plants of the United States: Their erosion control and wildlife values. \$1.50, paper; \$1.75, buckram.
 *412 MP. Legumes for erosion control and wildlife. 65¢ (buckram).

Yearbook Separates:

- 1518 Y. Waterfowl breeding grounds of Far North now poorly tenanted. (1935.) 5¢
 *1519 Y. Waterfowl problems clarified by study of gunning practices. (1935.) 5¢.

*For sale only. (See p. 3, How To Order Publications For Sale Only, and p. 1, How To Order Free Publications. *Do not combine orders.*)

United States Department of Agriculture.

▲▲ BUREAU LIST

Apply direct to the issuing offices in care of the U. S. Department of Agriculture, Washington, D. C., for the following material that is free unless otherwise indicated. All items preceded by a star (*) are for sale only by the Superintendent of Documents, Government Printing Office, Washington, D. C.

AGRICULTURAL CONSERVATION AND ADJUSTMENT ADMINISTRATION

AGRICULTURAL ADJUSTMENT AGENCY

Apply to the Agricultural Adjustment Agency, Agricultural Conservation and Adjustment Administration, U. S. Department of Agriculture, Washington, D.C., for the following free material and for information on War Production Goals.

General Information Series:

- G-32. Agricultural adjustment in 1934. (Administrator's report for the period from February to December 1934.)
- G-48. Agriculture's share in the national income. (A careful study of this subject.)
- G-54. Soil conservation—its place in national agricultural policy. (A statement of the need for soil conservation, with particular emphasis on types of remedial action.)
- *G-55. Agricultural adjustment: 1933 to 1935. (An important historical publication, AAA Administrator's report describing programs during these years.) 25¢.
- G-58. Farm buying and industrial recovery. (A tabulated study showing rises in farm income reflected in increased movement of industrial goods.)
- G-59. Farm imports and national prosperity. (A charted study showing how exports and imports rise and fall together.)
- G-67. Do we want to be farmers? Revised. (An outline of information for use in young farmer discussion programs.)
- *G-71. Agricultural conservation: 1936. (Administrator's report on activities of the AAA during the 1936 calendar year.) 20¢.
- G-73. City pocketbooks and the farmer. (Questions and answers on farm and city relationships.)
- G-76. Farm solidarity. (Adapted from an address by Secretary Wallace at Louisville, Kentucky, October 2, 1937.)
- G-78. Charting the course for cotton. (Adapted from an address by Secretary Wallace at Memphis, Tennessee, October 1, 1937.)
- G-79. The dairyman's place in farm solidarity. (Adapted from an address by Secretary Wallace at Baltimore, Md., November 2, 1937.)
- G-83. The new farm act. (A short summary of the provisions of the Agricultural Adjustment Act of 1938.)
- G-85. Questions and answers about farm exports and farm imports. Revised. (A compact summary of export and import tendencies in recent years.)
- G-87. Agricultural programs and the processing tax. (A study of the processing tax with definite application to cotton.)
- G-89. An American income for cotton. (Adapted from an address by Secretary Wallace at Fort Worth, Texas, Sept. 30, 1938.)
- G-90. An American income for wheat. (Adapted from an address by Secretary Wallace at Hutchinson, Kansas, Sept. 29, 1938.)
- G-91. Participation under AAA programs, 1933-35. (A statistical study summarizing records under the early AAA programs.)
- G-92. An American income for corn. (Adapted from an address by Secretary Wallace at Springfield, Illinois, October 14, 1938.)
- G-93. The wheat problem and what the farmer can do about it through the AAA farm program. (A compact statement of the wheat problem and of the solution offered by the AAA program for 1939.)
- G-94. The farmer's dollar goes to town. (A brief statement of the close relationship between farm and city prosperity.)

*For sale only by the Superintendent of Documents, Government Printing Office, Washington, D. C. See p. 3, How To Order Publications For Sale Only.

United States Department of Agriculture.

General Information Series—Continued.

- G-95. How agriculture, industry, labor, and government can work together for a \$100,000,000,000 income. (Adapted from an address by Secretary Wallace at Des Moines, Iowa, Feb. 18, 1939.)
- *G-96. Agricultural adjustment: 1938-39. (Administrator's report on activities of the AAA, July 1, 1938, through June 30, 1939.) 20¢.
- G-97. 'Round the World with cotton. (The story of cotton in the United States and other countries.)
- G-98. Western grass. (A leaflet describing briefly the history of the range, provisions of the AAA Range Program, and the relationship of the range to other sections of the country.)
- G-99. Agricultural conservation programs aim at abundance—conservation—parity income. (A folder which tells the aims and provisions of the agricultural conservation program.)
- G-100. More abundant wildlife through the AAA program. (A leaflet explaining the provisions of the AAA program which benefit wildlife.)
- G-101. The AAA wheat program in operation. (A supplement to G-93.)
- G-102. The AAA—What it is. Revised. (A leaflet explaining briefly the purposes of the AAA, how it developed, how it is administered and financed, how it operates, and its accomplishments.)
- G-103. This is what AAA is about. (An illustrated folder showing the necessity of soil conservation and how AAA helps farmers meet this and other problems.)
- *G-104. Agricultural adjustment: 1939-40. (Administrator's report on activities of the AAA, July 1, 1939, through June 30, 1940.) 20¢.
- G-105.▲ Agriculture and the Americas. (An illustrated folder presenting comparisons of the Western and Eastern Hemispheres and important facts about the people, the countries, the products, and the trade of the Americas.)
- G-106.▲ Wheat storage on the farm and in the ever-normal granary. (An explanation of the ever-normal granary program and instructions on proper storage and care of wheat under Commodity Credit Corporation loans.)
- G-107. Wheat marketing quotas. (A folder telling the reason for using quotas, how they work, and to whom they apply.)
- G-108.▲ Our National defense starts with defense of the home. (A leaflet explaining how the farm program makes home and community more secure.)
- G-109.▲ Our future strength depends on how we use our farm program. (An explanation of how the farm program contributes to the Nation's security and defense.)
- G-110. Harvests for tomorrow. (A description of the USDA documentary film by the same name.)
- G-112. AAA faces the future. (Adapted from an address by R. M. Evans, Administrator, AAA, at the annual National AAA Conference, Washington, D. C., June 10, 1941.)
- *G-113.▲ Report of the Administrator of the Agricultural Adjustment Administration, 1941. 15¢.

Producer-Consumer Leaflets:

- PC-1. And so they meet. (Farmers and city people: Both producers—both consumers.)
- PC-2. The things we want. (Making abundance work for all our people.)
- PC-3. On tired soil. (Poor soil means poor people on the farms and in the cities.)
- PC-4. Two families—one farm. (Stable tenure means better producers and better consumers.)
- PC-5. To buy abundantly. (Producers of abundance deserve to be consumers of abundance.)
- PC-6. Plenty. (Avoiding the scarcity of famine and over-abundance.)
- PC-7. Between you and me. (The distributor's place in production and consumption.)
- PC-8. None shall go hungry. (Making abundance work for low-income families.)
- PC-9. Grow your own. (Better home living means better production and consumption.)
- PC-10. The magic carpet. (Protection for grassland is protection for cities.)

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United States Department of Agriculture.

Producer-Consumer Leaflets—Continued.

- PC-11. The farm home and A. A. A. (Better farm income means better farm homes.)
 PC-12. Country life & A. A. A. (A permanent security for farm and city.)

Southern Region Agricultural Conservation Series:

- SRAC-5. Permanent pastures. (A compilation of experimental work with permanent pastures in the Southern region and in North Carolina and Tennessee.)
 SRAC-6. Conserving soil through the farm program. (Questions and answers on this phase of the AAA program in the South.)
 SRAC-7. Feeding farm folks through the farm's own program. (Questions and answers on how farm program helps growers produce food and feed for home use.)
 SRAC-8. Helping farm families help themselves. (Pictorial presentation of how AAA program helps farmers.)
 SRAC-9. Increasing national income through the AAA farm program. (Questions and answers on the AAA and farm income in the Southern region.)
 SRM-428. Cotton, land, and people—A statement of the problem. (Based on an address by I. W. Duggan, Director, Southern Division, AAA, at Philadelphia, Pa., December 28, 1939.)
 SRM-505. The farmer starts back. (Pictorial presentation of how national farm program meets the need of farmers.)

unnumbered:

1942 Agricultural Conservation Program bulletin.

Charts:

- Why the Nation has a farm problem. (Two charts showing reasons for the farm problem.) 30 by 40 inches. Black and white.
 Farm and town recover together, 1932-39—Indicated cash expenditures of average farm family, 1935. (One chart showing two illustrations.) 30 by 40 inches. Black and white.
 Your farm can help—Food for freedom. 27 by 39½ inches. Colored.

FEDERAL CROP INSURANCE CORPORATION

Apply to the Federal Crop Insurance Corporation, Agricultural Conservation and Adjustment Administration, United States Department of Agriculture, Washington, D. C., for the following material:

General Information Series:

- 1 GIS. Crop insurance for wheat growers. (A brief summary of the provisions and proposed operation of the Federal Crop Insurance Act.)
- 2 GIS. Economic justification for certain salient provisions of the regulations, application, and policy for wheat crop insurance with a brief history of the program and a brief outline of the general plan of operation.

Federal Crop Insurance Information Series:

- 1 FCI. Can you afford "profitable waiting"?
- 5 FCI. Assured farm income through cooperation.
- 6 FCI. Your farm will suffer crop failure! When?
- 11 FCI. Crop insurance and the multiple unit landowner.
- 12 FCI. "Let me tell you what crop insurance means to me."
- 13 FCI. Crop insurance and the country elevator.
- 14 FCI. Before you plant—Insure!
- 16 FCI. Is this your farm?
- 17 FCI. Danger ahead!
- 18 FCI. Pulling power.
- 19 FCI. Quiz questions.
- 20 FCI. Don't trust to luck.
- 21 FCI. Pillars of plenty.

Posters:

- Are you prepared against crop failure? 22½ by 28½ inches. Colored.
 Before you plant—Insure! 21 by 32½ inches. Black and white or blue and yellow.
 Cotton crop insurance. 25 by 33 inches. Colored.
 My crop was insured! 12½ by 15 inches. Black and white.
 The hessian fly. 11 by 14 inches. Black and white.
 Wheat crop insurance—Defense against crop failure. 25 by 33 inches. Colored.

United States Department of Agriculture.

SOIL CONSERVATION SERVICE

Photographic Material:

The Soil Conservation Service has a collection of many thousands of pictures showing types of soil erosion, soil conservation practices, water conservation, flood control, land utilization, and wildlife conservation. Prints of these photographs, as well as enlargements, can be purchased. A price list of photographic material can be secured from the Soil Conservation Service, Agricultural Conservation and Adjustment Administration, United States Department of Agriculture, Washington, D. C.

AGRICULTURAL MARKETING
ADMINISTRATION

Apply direct to the Agricultural Marketing Administration, U. S. Department of Agriculture, Washington, D. C., for the following:

Posters:

U. S. grades for cannery tomatoes, showing type of three grades. Colored. 8 by 10½ inches.

†Colored display panels: (To be lent.)

These panels relate to the grade labeling for consumers of beef, lamb, veal, poultry, eggs, butter, and canned fruits and vegetables. Available singly or together in two sizes (30 by 40, and 16 by 20 inches).

****Agricultural Marketing Administration—Service and Regulatory Announcements:**

- 84 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for broomcorn warehouses.
- 88 SRA-AMA. Regulations for warehousemen storing dried fruit.
- 89 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for warehousemen storing sirups.
- 92 SRA-AMA. Standards for cotton classification in the United States and abroad.
- 93 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the inspection and certification of fruits, vegetables, and other products. Revised 1936.
- 94 SRA-AMA. Official standards of the United States for American cotton linters.
- 98 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the investigation and certification of class, quality (grade), and condition of meats and meat-food products. Revised.
- 99 SRA-AMA. Official United States standards for grades of carcass beef.
- 102 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for warehousemen storing cottonseed for commercial but not for seed-stock purposes.
- 104 SRA-AMA. Rules and regulations of the Secretary of Agriculture under the United States Standard Container Act of August 31, 1916. Revised.
- 107 SRA-AMA. Rules and regulations of the Secretary of Agriculture for the enforcement of the Produce Agency Act.
- 109 SRA-AMA. Items relating to the administration of the United States Cotton Futures and Cotton Standards Acts.
- 112 SRA-AMA. Official United States standards for grades of slaughter cattle.
- 113 SRA-AMA. Official United States standards for grades of vealers and slaughter calves.
- 114 SRA-AMA. Official United States standards for grades of veal and calf carcasses.
- 116 SRA-AMA. Rules and regulations of the Secretary of Agriculture under the United States Standard Container Act of 1928.

†These panels will be lent only to responsible persons and organizations who agree to pay expressage both ways and to return the material within 30 days. Sizes, weights, and any other information concerning them will be furnished by the issuing office on request.

**The Agricultural Marketing Administration is now responsible for the administration of the laws under which these Service and Regulatory Announcements were issued. Nos. 84-154 were originally issued by the Bureau of Agricultural Economics, Nos. 155-162 by the Agricultural Marketing Service, N. S. No. 1 by the Food and Drug Administration, and B. A. I. Order No. 364 by the Bureau of Animal Industry.

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****Agricultural Marketing Administration—Service and Regulatory Announcements—Continued.**

- 117 SRA-AMA. Proceedings of International Universal Cotton Standards Conference of 1929 and items relative to administration of the United States Cotton Futures and Cotton Standards Acts.
- 118 SRA-AMA. Classification of leaf tobacco covering classes, types, and groups of grades.
- 119 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act as amended. Regulations for warehousemen storing nuts.
- 121 SRA-AMA. Revised rules and regulations of the Secretary of Agriculture for carrying out the provisions of the Perishable Agricultural Commodities Act, 1930, as amended Apr. 13, 1934, June 19, 1936, and Aug. 20, 1937.
- 122 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act as amended. Regulations for warehousemen storing seeds.
- 123 SRA-AMA. Official United States standards for grades of lamb carcasses, yearling mutton, and mutton carcasses.
- 126 SRA-AMA. Regulations for cotton warehouses. Revised.
- 127 SRA-AMA. Regulations for warehousemen storing grain. Revised.
- 129 SRA-AMA. Regulations for warehousemen storing tobacco. Revised.
- 130 SRA-AMA. Regulations for warehousemen storing dry beans.
- 131 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the inspection and certification of dressed poultry and dressed domestic rabbits for external conditions and of dressed poultry and dressed domestic rabbits and edible products thereof for condition and wholesomeness.
- 134 SRA-AMA. Regulations for warehousemen storing cherries in sulphur dioxide brine.
- 135 SRA-AMA. Official standards of the United States for grades of wool and wool top and rules and regulations for distribution of practical forms of wool and wool top standards under Wool Standards Act of May 17, 1928.
- 136 SRA-AMA. Regulations supplementary to the commodity regulations under the United States Warehouse Act for field warehousemen.
- 137 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the grading and certification of butter, cheese, eggs, dressed poultry, and dressed domestic rabbits for class, quality (grade), and condition.
- 138 SRA-AMA. United States standards for grades of canned corn—whole-grain style.
- 139 SRA-AMA. United States standards for grades of canned corn—cream style.
- 140 SRA-AMA. United States standards for canned peas.
- 141 SRA-AMA. United States standards for canned tomatoes.
- 142 SRA-AMA. United States standards for canned snap beans.
- 143 SRA-AMA. Grades, requirements, and regulations of the Secretary of Agriculture carrying out the provisions of the Export Apple and Pear Act. Revised.
- 145 SRA-AMA. United States standards for grades of canned grapefruit.
- 146 SRA-AMA. Items relating to the administration of the United States Cotton Standards and Cotton Futures Acts.
- 147 SRA-AMA. Air oven and water oven methods specified in the United States, official standards for determining the moisture content of grain.
- 148 SRA-AMA. Regulations under the Grain Standards Act.
- 149 SRA-AMA. Rules and regulations under the Tobacco Inspection Act.
- 150 SRA-AMA. Revision of standards for grades of American upland cotton.
- 151 SRA-AMA. United States standards for potatoes.
- 152 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Cotton Futures Act.
- 153 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Cotton Standards Act.
- 154 SRA-AMA. United States standards for apples.

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****Agricultural Marketing Administration—Service and Regulatory Announcements—Continued.**

- 155 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the grading and certification of canned fruits and vegetables.
- 156 SRA-AMA. Rules and regulations under the Federal Seed Act.
- 157 SRA-AMA. Regulations for warehousemen storing sirups.
- 158 SRA-AMA. Regulations for warehousemen storing broomcorn.
- 159 SRA-AMA. Regulations for warehousemen storing coldpack fruit.
- 160 SRA-AMA. Regulations for warehousemen storing wool.
- 161 SRA-AMA. Regulations for warehousemen storing canned foods.
- 162 SRA-AMA. Regulations for the enforcement of the Insecticide Act of 1910.
- N. S. No. 1. Regulations for the enforcement of the Naval Stores Act.
- B. A. I. Order 364. Packers and Stockyards Act 1921 as amended, 1926 and 1935.

Marketing Information Series:

- GCM-3. Marketing agreements for fruits and vegetables. (A statement of the purpose and methods of marketing agreements for fruits and vegetables.)
- GCM-4. Some problems in marketing tomatoes grown in the lower Rio Grande Valley of Texas.
- GCM-6. Major economic trends in the dry edible bean industry. (A charted study of various economic phases of bean production and marketing.)
- DM-1. A survey of milk marketing in Milwaukee. (A comprehensive study of supply, consumption, market distribution, and net earnings.)
- DM-2. Some problems involved in establishing milk prices. (An extended study of this field, including the background of the dairy industry.)
- DM-3. Stability in milk markets. (An illustrated pamphlet explaining marketing agreements and orders for milk.)
- DM-4. The regulation of milk marketing in England and Wales. (A study of a milk marketing system comparable to our Federal and State programs.)
- DM-5. Municipal milk distribution in Tarboro, North Carolina. (Details regarding cost of production and price of products in the first city to establish a municipal milk enterprise.)
- GI-1. The challenge of under-consumption. (A statement outlining the extent of under-consumption of foodstuffs in the United States and explaining the operations of the Food Stamp Plan.)
- GI-2. Can we use our cotton at home? (A statement outlining the cotton marketing problem, discussing possible ways for expanding domestic consumption, including the operation of the Cotton Stamp Plan.)
- G-61. An economic survey of the commercial broiler industry. (A comprehensive survey of sales, buying practices, grading and marketing costs.)
- MI-2. Stopping waste in farm surpluses. (An explanation of the direct purchase and distribution of surplus farm products.)
- PSM-2. Chick hatchery survey, 1937-38.

Unnumbered:

- Dried beans and peas in low cost meals.
- Dried fruits in low cost meals.
- Egg dishes at low cost.
- Green vegetables in low cost meals.

CONSUMERS' COUNSEL DIVISION

Apply to the Consumers' Counsel Division, Agricultural Marketing Administration, U. S. Department of Agriculture, Washington, D. C., for the following free material unless otherwise directed.

Consumers' Guide Index, October 1, 1940-October 15, 1941. (Index of subjects appearing in Volume VII, Consumers' Guide.)

*Consumers' Counsel Series, Publication No. 10. Materials for consumer education. 10¢. (A selected bibliography of free or low-cost publications on methods of consumer education.)

*For sale only by the Superintendent of Documents, Government Printing Office, Washington, D. C. See p. 3, How To Order Publications For Sale Only.

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United States Department of Agriculture.

*Study Outline No. 1. Consumers look at eggs. 10¢. (This pamphlet gives plans for two meetings of a consumer discussion group and contains information on nutritional value and quality grades.)

Reprints from Consumers' Guide:

- No. 28 Washakie consumers try cooperative diet planning.
- No. 30 A quiz on ice cream.
- No. 31 When you buy apples.
- No. 32 Inside the coffee cup.
- No. 33 What's in America's sugar bowl?
- No. 34 Standardizing standards.
- No. 36 Simple as A B C. (Grade labeling.)
- No. 37 Finishing your floors and cleaning your walls.
- No. 39 On the spot. (Stain removal.)
- No. 40 Tips for rug buyers.

AGRICULTURAL RESEARCH ADMINISTRATION

BUREAU OF DAIRY INDUSTRY

Apply direct to the Bureau of Dairy Industry, Agricultural Research Administration, U. S. Department of Agriculture, Washington, D. C., for the following:

Bureau of Dairy Industry—Service and Regulatory Announcements:

- Order 1. Regulations for carrying into effect the Process or Renovated Butter Act. Revised.

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Apply direct to the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, U. S. Department of Agriculture, Washington, D. C., for the following:

Quarantines

Quarantines Applying to the Continental United States:

- 38. Black stem rust.
- 45. Gypsy moth and brown-tail moth.
- 48. Japanese beetle.
- 52. Pink bollworm.
- 61. Thurberia weevil.
- 63. White pine blister rust.
- 64. Mexican fruit fly.
- 71. Dutch elm disease (domestic).
- 72. White-fringed beetle.

Quarantines Applying to the Territories of Hawaii and Puerto Rico:

- 13. Hawaiian fruits and vegetables.
- 16. Sugarcane.
- 30. Sweetpotato.
- 32. Banana plants.
- 47. Hawaiian and Puerto Rican cotton, cottonseed, and cottonseed products.
- 51. United States quarantine to protect Hawaii.
- 58. Puerto Rican fruits and vegetables.
- 60. Sand, soil, or earth, with plants from Hawaii and Puerto Rico.

Foreign Plant Quarantines:

- 8. Pink bollworm.
- 12. Seeds of avocado or alligator pear.
- 15. Sugarcane.
- 19. Citrus nursery stock.
- 24. Indian corn or maize and related plants.
- 28. Citrus fruits.
- 29. Sweetpotato and yam.
- 31. Banana plants.
- 34. Bamboo.
- 37. Nursery stock, plants, and seeds.
- 41. European corn borer.
- 55. Rice.
- 56. Fruits and vegetables.
- 59. Flag smut.
- 69. Packing materials.
- 70. Dutch elm disease (foreign).
- 73. Coffee.

Regulations

Other Restrictive Orders:

- Regulations governing the importation of potatoes into the United States.
- Rules and regulations governing the importation of cotton and cotton wrappings into the United States.

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Other Restrictive Orders—Continued.

- Rules and regulations governing the importation of cottonseed cake, meal, and other cottonseed products into the United States.
- Revised rules and regulations governing the movement of plants and plant products into and out of the District of Columbia.
- Revision of plant safeguard regulations.

Miscellaneous Regulations:

- Rules and regulations prohibiting the movement of cotton and cottonseed from Mexico into the United States, and governing the entry into the United States of railway cars and other vehicles, freight, express, baggage, or other materials from Mexico at border points.
- Inspection and certification regulations to meet foreign sanitary requirements.

BUREAU OF PLANT INDUSTRY**Soil Surveys**

The majority of the edition of each soil survey is distributed by the United States Senators and Representatives from the areas surveyed. However, a limited number is available for distribution by the Bureau of Plant Industry, Agricultural Research Administration, United States Department of Agriculture, Washington, D. C. Since the editions are inadequate to meet the demand, only three reports, each of which must cover a separate area, may be sent free to one individual. If more than three reports are desired, they must be purchased direct from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Many counties not listed have been surveyed, but both the free and sales stocks of those reports are entirely exhausted. They may be consulted in any of the public libraries that keep a file of all soil surveys.

Note for Libraries.—Beginning with the 1923 series, separate soil survey reports have been issued for each area. They are sent to libraries as soon as they are available, and they should be filed, preserved, and ultimately bound as a continuation of the bound volumes of the field operations which were previously supplied by the Department, and which were discontinued with the 1922 edition. The reports for each year are now consecutively numbered, the last report for a particular year bearing the conspicuous notice, "This number is the final and last soil survey for the year 19—."

Alabama:

- Cherokee County. (See Fort Payne Area.)
- Colbert County. 35¢.
- Coosa County. 20¢.
- Crenshaw County. 20¢.
- Dallas County. 40¢.
- De Kalb County. (See Fort Payne Area.)
- *Fayette County. 25¢.
- *Fort Payne Area. (Parts of Cherokee and De Kalb Counties.) 15¢.
- Franklin County.
- *Greene County. 20¢.
- Hale County. 40¢.
- *Houston County. 15¢.
- Lauderdale County. 40¢.
- Lowndes County.
- Mobile County.
- *Monroe County. 15¢.
- Montgomery County. 25¢.
- Perry County.
- *St. Clair County. 25¢.
- *Shelby County. 20¢.
- Sumter County. 60¢.
- Wilcox County. 40¢.
- Winston County.

Alaska:*Reconnaissance*

- Soils, agriculture, and other resources of the Kenai Peninsula region of Alaska. 25¢.

Arizona:

- *Benson Area. (Part of Cochise County.) 15¢.
- Buckeye-Beardsley Area. (Part of Maricopa County.)
- Cochise County. (See Benson and San Simon Areas.)

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Arizona—Continued.

- Coconino County. (*See Winslow Area.*)
- Gila Bend Area. (Part of Maricopa County.) 15¢.
- Graham County. (*See Solomonsville and Upper Gila Valley Areas.*)
- Maricopa County. (*See Buckeye-Beardsley and Gila Bend Areas.*)
- Navajo County. (*See Winslow Area.*)
- Nogales Area. (Part of Santa Cruz County.) 20¢.
- Pima County. (*See Tucson Area.*)
- *San Simon Area. (Part of Cochise County.) 25¢.
- Santa Cruz County. (*See Nogales Area.*)
- *Solomonsville Area. (Part of Graham County.) 15¢.
- Tucson Area. (Part of Pima County.) 45¢.
- Upper Gila Valley Area. (Part of Graham County.) 30¢.
- *Winslow Area. (Parts of Coconino and Navajo Counties.) 15¢.
- *Yuma Area. (Part of Yuma County.) 15¢.
- Yuma County. (*See Yuma, Yuma Desert, and Yuma-Wellton Areas.*)
- Yuma Desert Area. (Part of Yuma County.)
- Yuma-Wellton Area. (Parts of Yuma County, Arizona, and Imperial County, Calif.) 35¢.

Arkansas:

- *Bradley County. 20¢.
- Craighead County.

California:

- Alturas Area. (Parts of Lassen and Modoc Counties.) 50¢.
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- *Bishop Area. (Parts of Inyo and Mono Counties.) 25¢.
- Capistrano Area. (Parts of Orange and San Diego Counties.) 30¢.
- Clear Lake Area. (Part of Lake County.) 15¢.
- Contra Costa County. 75¢.
- Dixon Area. (Parts of Solano and Yolo Counties.)
- El Cajon Area. (Part of San Diego County.) 25¢.
- Eldorado County. (*See Placerville Area.*)
- *Grass Valley Area. (Part of Nevada County.) 25¢.
- *Hollister Area. (Part of San Benito County.) 20¢.
- Honey Lake Area. (Part of Lassen County.)
- Imperial County. (*See Yuma-Wellton Area, Ariz.-Calif.*)
- Inyo County. (*See Bishop Area.*)
- Kern County. (*See Paso Robles Area.*)
- Lake County. (*See Clear Lake Area.*)
- Lassen County. (*See Alturas, and Honey Lake Areas.*)
- Lodi Area. (Part of San Joaquin County.) 30¢.
- Mendocino County. (*See Willits Area.*)
- Modoc County. (*See Alturas Area.*)
- Mono County. (*See Bishop Area.*)
- Napa Area. (Part of Napa County.) 40¢.
- Napa County. (*See Napa Area.*)
- Nevada County. (*See Grass Valley Area.*)
- Oceanside Area. (Part of San Diego County.) 25¢.
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- San Benito County. (*See Hollister Area.*)
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- San Joaquin County. (*See Lodi Area.*)
- San Luis Obispo Area. (Parts of San Luis Obispo and Santa Barbara Counties.) 35¢.
- San Luis Obispo County. (*See Paso Robles, San Luis Obispo, and Santa Maria Areas.*)
- Santa Barbara County. (*See San Luis Obispo, Santa Maria, and Santa Ynez Areas.*)
- Santa Maria Area. (Parts of San Luis Obispo and Santa Barbara Counties.)
- *Santa Ynez Area. (Part of Santa Barbara County.) 20¢.
- Shasta Valley Area. (Part of Siskiyou County.) 25¢.
- Siskiyou County. (*See Shasta Valley Area.*)
- Solano County. (*See Dixon and Suisun Areas.*)
- Suisun Area. (Parts of Sacramento and Solano Counties.)
- Tulare County. (*See Visalia Area.*)
- Visalia Area. (Part of Tulare County.)

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California—Continued.

- Willits Area. (Part of Mendocino County.)
 Yolo County. (See Dixon Area.)
 Yuma-Welton Area, Ariz.-Calif. (Parts of Yuma County, Ariz., and Imperial County, Calif.) 35¢.

Colorado:

- Adams County. (See Brighton Area.)
 Boulder County. (See Brighton and Longmont Areas.)
 Brighton Area. (Parts of Adams, Boulder, and Jefferson Counties.) 20¢.
 Jefferson County. (See Brighton Area.)
 Longmont Area. (Parts of Boulder and Weld Counties.) 40¢.
 Weld County. (See Longmont Area.)

Georgia:

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 *Chattahoochee County. 15¢.
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 Decatur County. 35¢.
 Dooly County. 20¢.
 Elbert County. 15¢.
 Hall County. 35¢.
 Hart County. 25¢.
 Jefferson County. 30¢.
 *Jenkins County. 15¢.
 Lee County. 15¢.
 Lowndes County.
 *Madison County. 15¢.
 McDuffie County. 30¢.
 Meriwether County. 15¢.
 Monroe County. 15¢.
 *Muscogee County. 15¢.
 *Pierce County. 25¢.
 *Pulaski County. 15¢.
 Quitman County. 15¢.
 *Rabun County. 15¢.
 *Randolph County. 20¢.
 *Richmond County. 15¢.
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 *Spalding County. 15¢.
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Reconnaissance

Tattnall County. (No map.)

Idaho:

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 Bonner County. 60¢.
 Elmore County. (See Gooding Area.)
 Fremont County. (See Blackfoot Area.)
 Gooding Area. (Parts of Elmore and Gooding Counties.) 30¢.
 Gooding County. (See Gooding Area.)
 Jerome Area. (Part of Jerome County.)
 Jerome County. (See Jerome Area.)

Illinois:

- *Jo Daviess County. (See Dubuque Area, Iowa.) 15¢.

Indiana:

- Blackford County. 15¢.
 *Clay County. 15¢.
 Decatur County.
 Dubois County. 35¢.
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Indiana—Continued.

- Jennings County. 45¢.
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- Rush County. 35¢.
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- Vermillion County. 20¢.
- Washington County. 50¢.
- *Wayne County. 20¢.

Iowa:

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- *Buchanan County. 15¢.
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- Cedar County. 15¢.
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- *Cherokee County. 20¢.
- *Chickasaw County. 15¢.
- Clarke County. 15¢.
- *Clay County. 15¢.
- *Clayton County. 15¢.
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- Davis County. 35¢.
- Decatur County. 35¢.
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- *Dubuque Area. (Parts of Dubuque, Jackson, and Jones Counties, Iowa, and Jo Daviess County, Ill.) 15¢.
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- *Fayette County. 15¢.
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- Greene County. 15¢.
- *Grundy County. 20¢.
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- *Harrison County. 20¢.
- *Henry County. 15¢.
- Howard County. 15¢.
- Ida County. 30¢.
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- *Jasper County. 15¢.
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- *Jones County. (See also Dubuque Area.) 20¢.
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- *Marshall County. 15¢.
- Mills County. 15¢.
- Mitchell County. 15¢.
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Iowa—Continued.

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- *Wright County. 15¢.

Kansas:

- Allen County. 35¢.
- Bourbon County. 30¢.
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- Finney County. (*See* Garden City Area.)
- *Garden City Area. (Parts of Finney and Gray Counties.) 15¢.
- Gray County. (*See* Garden City Area.)
- Johnson County. 15¢.
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- Woodson County. 30¢.

Kentucky:

- Fayette County. 25¢.
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- Livingston Parish. 30¢.
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Maine:

- Cumberland County.

Maryland:

- Anne Arundel County.
- Calvert County. 20¢.
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Massachusetts:

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- Middlesex County. 25¢.
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- Worcester County. 25¢.

Michigan:

- Alger County. (*See also* Munising Area.) 40¢.
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- Chippewa County. 50¢.
- Crawford County. 20¢.
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- Iron County. 45¢.

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Michigan—Continued.

- Jackson County.
- *Kalkaska County. 20¢.
- Kent County.
- Luce County. 30¢.
- Macomb County. 15¢.
- Manistee County. 15¢.
- Mason County. 45¢.
- Menominee County. 30¢.
- Montmorency County. 35¢.
- *Munising Area. (Part of Alger County.) 15¢.
- Oceana County. 40¢.
- *Ogemaw County. 20¢.
- Oscoda County. 30¢.
- Roscommon County. 20¢.
- Saginaw County. 40¢.
- St. Clair County. 35¢.
- Schoolcraft County. 55¢.
- Tuscola County. 15¢.
- Washtenaw County. 35¢.

Reconnaissance

- Ontonagon County. 15¢.

Minnesota:

- *Anoka County. 15¢.
- Hennepin County. 30¢.
- Houston County. 35¢.
- Hubbard County. 30¢.
- Kanabec County. 35¢.
- Mille Lacs County. 25¢.
- *Olmsted County. 25¢.
- Pine County. 50¢.

Reconnaissance

- Lake of the Woods County. 20¢.
- Red River Valley Area. (Clay, Kittson, Marshall, Norman, Polk, Red Lake, Traverse, and Wilkin Counties.) \$1.25.

Mississippi:

- Alcorn County.
- Claiborne County.
- Greene County. 40¢.
- Hancock County.
- Hinds County.
- Jackson County.
- Marion County. 30¢.

Missouri:

- *Andrew County. 20¢.
- Barton County.
- *Caldwell County. 15¢.
- Callaway County. 15¢.
- *Chariton County. 20¢.
- *Knox County. 15¢.
- Laclede County.
- *Lafayette County. 25¢.
- Lincoln County. 25¢.
- Ray County. 20¢.
- Reynolds County. 20¢.
- *St. Francois County. 25¢.
- *Scotland County. 15¢.

Montana:

- Blaine County. (See Milk River Area.)
- Custer County. (See Middle Yellowstone Valley Area.)
- Dawson County. (See Lower Yellowstone Valley Area.)
- Gallatin County. (See Gallatin Valley Area.)
- Gallatin Valley Area. (Part of Gallatin County.)
- Hill County. (See Milk River Area.)
- Lake County. (See Lower Flathead Valley Area.)
- Lower Flathead Valley Area. (Parts of Lake, Missoula, and Sanders Counties.) 35¢.

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Montana—Continued.

- Lower Yellowstone Valley Area. (Parts of Dawson, Prairie, and Richland Counties, Montana; and McKenzie County, North Dakota.) 30¢.
 Middle Yellowstone Valley Area. (Parts of Custer, Rosebud, and Treasure Counties.) 35¢.
 Milk River Area. (Parts of Blaine, Hill, Phillips, and Valley Counties). 60¢.
 Missoula County. (See Lower Flathead Valley Area.)
 Phillips County. (See Milk River Area.)
 Prairie County. (See Lower Yellowstone Valley Area.)
 Richland County. (See Lower Yellowstone Valley Area.)
 Rosebud County. (See Middle Yellowstone Valley Area.)
 Sanders County. (See Lower Flathead Valley Area.)
 Treasure County. (See Middle Yellowstone Valley Area.)
 Valley County. (See Milk River Area.)

Reconnaissance

Northern Plains of Montana. (Blaine, Chouteau, Daniels, Hill, Liberty, Phillips, Roosevelt, Sheridan, Teole, and Valley Counties, and parts of Glacier, Pondera, and Teton Counties.) 30¢.

Nebraska:

- *Adams County. 15¢.
 *Antelope County. 25¢.
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 Brown County. 40¢.
 *Butler County. 20¢.
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 *Clay County. 15¢.
 *Colfax County. 15¢.
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 *Fillmore County. 15¢.
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 Furnas County. 25¢.
 *Gage County. 15¢.
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 Garfield County. 35¢.
 Gosper County. 40¢.
 Greeley County. 25¢.
 *Hamilton County. 15¢.
 Hayes County. 30¢.
 Holt County. 60¢.
 *Howard County. 25¢.
 *Keith County. 20¢.
 Keya Paha County. 30¢.
 Knox County. 30¢.
 Loup County. 40¢.
 Morrill County.
 *Nuckolls County. 20¢.
 Perkins County. 25¢.
 *Platte County. 20¢.
 Rock County. 40¢.
 Sarpy County. 40¢.
 *Sheridan County. 40¢.
 Sherman County. 25¢.
 Stanton County. 20¢.
 *Thayer County. 15¢.
 Valley County.
 *Wayne County. 15¢.
 Webster County.
 Wheeler County. 30¢.
 *York County. 20¢.

Nevada:

- Clark County. (See Las Vegas and Moapa Valley Areas.)
 *Las Vegas Area. (Part of Clark County.) 15¢.
 *Moapa Valley Area. (Part of Clark County.) 20¢.

*For sale only by the Superintendent of Documents, Government Printing Office, Washington, D. C. See p. 3, How To Order Publications For Sale Only.

United States Department of Agriculture.

New Hampshire:

Grafton County.

New Jersey:

Bergen Area. (All of Bergen and Hudson Counties, and parts of Essex, Middlesex, Morris, Passaic, and Union Counties.)

Bergen County. (See Bergen Area.)

Cumberland County. (See Salem Area.)

Essex County. (See Bergen Area.)

Gloucester County. (See Salem Area.)

Hudson County. (See Bergen Area.)

Middlesex County. (See Bergen Area.)

Morris County. (See Bergen Area.)

Passaic County. (See Bergen Area.)

*Salem Area. (Parts of Cumberland, Gloucester, and Salem Counties.) 25¢.

Salem County. (See Salem Area.)

Union County. (See Bergen Area.)

New Mexico:

Chaves County. (See Roswell Area.)

De Baca County. (See Fort Sumner Area.)

*Deming Area. (Part of Luna County.) 10¢.

Fort Sumner Area. (Part of De Baca County.) 15¢.

Lea County. (See Lovington Area.)

Lovington Area. (Part of Lea County.) 50¢.

Luna County. (See Deming Area.)

Roswell Area. (Part of Chaves County.)

New York:

Broome County. 30¢.

Cattaraugus County. 40¢.

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Chemung County. 30¢.

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Delaware County. 40¢.

Erie County. 30¢.

*Herkimer County Area. (Part of Herkimer County.) 25¢.

Monroe County. \$2.00.

Nassau County. (See Suffolk and Nassau Counties.)

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Otsego County. 50¢.

Rensselaer County. 50¢.

St. Lawrence County. 50¢.

Steuben County. 60¢.

Suffolk and Nassau Counties.

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*Yates County. 15¢.

North Carolina:

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*Caldwell County. 15¢.

*Camden and Currituck Counties. 20¢.

Carteret County. 40¢.

Chatham County. 30¢.

Cherokee County. 15¢.

Clay County. 40¢.

Craven County. (See also Raleigh to Newbern Area.) 50¢.

*Cumberland County. 25¢.

Currituck County. (See Camden and Currituck Counties.)

*Davie County. 15¢.

*Durham County. 15¢.

Franklin County. 30¢.

*Greene County. (See also Raleigh to Newbern Area.) 15¢.

*Halifax County. 15¢.

Haywood County. 20¢.

Hertford County.

*Hoke County. 20¢.

Johnston County. (See Raleigh to Newbern Area.)

Jones County. (See also Raleigh to Newbern Area.)

Lee County. 30¢.

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United States Department of Agriculture.

North Carolina—Continued.

- Lenoir County. (*See also* Raleigh to Newbern Area.) 15¢.
- Macon County. 20¢.
- Montgomery County. 20¢.
- *Nash County. 15¢.
- *Northampton County. 20¢.
- *Orange County. 25¢.
- Pamlico County. 30¢.
- Pasquotank County. (*See* Perquimans and Pasquotank Counties.)
- Perquimans and Pasquotank Counties.
- *Polk County. 15¢.
- *Raleigh to Newbern Area. (Parts of Craven, Greene, Johnston, Jones, Lenoir, Wake, and Wayne Counties.) 15¢.
- Rockingham County. 20¢.
- *Stanly County. 15¢.
- Stokes County. 25¢.
- Surry County. 20¢.
- *Vance County. 15¢.
- Wake County. (*See* Raleigh to Newbern Area.)
- *Watauga County. 10¢.
- Wayne County. (*See* Raleigh to Newbern Area.)
- *Wilson County. 20¢.
- *Yadkin County. 15¢.

North Dakota:

- *Cass County. 35¢.
- McKenzie County. (*See* Lower Yellowstone Valley Area, Montana.)
- *Traill County. 15¢.

Ohio:

- Adams County. 35¢.
- *Ashtabula Area. (Part of Ashtabula County.) 15¢.
- Ashtabula County. (*See* Ashtabula Area.)
- Athens County. 40¢.
- *Belmont County. 20¢.
- Brown County. 35¢.
- Butler County.
- *Clermont County. 25¢.
- *Coshocton County. 15¢.
- *Fulton County. 20¢.
- Licking County. 45¢.
- Logan County. 45¢.
- *Marion County. 15¢.
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- Scioto County. 30¢.
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Oklahoma:

- Alfalfa County. 30¢.
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- Craig County. 35¢.
- Garfield County. 50¢.
- Grant County. 30¢.
- Greer County. 35¢.
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- Le Flore County.
- McIntosh County. 35¢.
- Major County. 60¢.
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- Murray County. 35¢.
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- Pontotoc County. 35¢.
- Texas County. 25¢.
- Tillman County. 35¢.
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- Woodward County. 45¢.

Oregon:

- Columbia County. 35¢.
- *Grande Ronde Valley Area. (Part of Union County.) 25¢.
- *Linn County. 50¢.

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United States Department of Agriculture.

Oregon—Continued.

- Multnomah County. 25¢.
- Union County. (See Grande Ronde Valley Area.)
- *Washington County. 25¢.

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- Wayne County. 35¢.
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- Kent and Washington Counties. 40¢.

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- Edgefield County. 35¢.
- Greenwood County. 30¢.
- Kershaw County.
- Williamsburg County. 15¢.

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- *Beadle County. 25¢.
- *Brown County. 25¢.
- *Douglas County. 15¢.
- *Grant County. 20¢.
- *Hyde County. 20¢.
- *McCook County. 15¢.
- Moody County. 15¢.
- Union County. 20¢.
- Walworth County. 20¢.

Tennessee:

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- Hardin County. 15¢.
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- Jefferson County. 50¢.
- Meigs County. 15¢.
- *Shelby County. 15¢.

Texas:

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- Cameron County. \$1.25.
- Cass County. 10¢.
- Collin County. 20¢.
- Dickens County. 20¢.
- Falls County. 30¢.
- Frio County. 30¢.
- Galveston County. 35¢.
- Hardeman County. 35¢.
- Hidalgo County. \$1.00.
- Hunt County. 35¢.
- Kaufman County. 50¢.
- Midland County. 20¢.
- Polk County.
- Potter County.
- Randall County.
- Red River County.
- Reeves County. 20¢.
- Scurry County. 30¢.
- Van Zandt County. 30¢.
- Wheeler County. 35¢.
- Williamson County. 45¢.
- Zavola County. 50¢.

Reconnaissance

Northwest Texas (Bailey, Cochran, Cottle, Crosby, Dickens, Floyd, Foard, Garza, Hale, Hardeman, Haskell, Hockley, Kent, King, Knox, Lamb, Lubbock, Lynn, Motley, Stonewall, Terry, and Yoakum Counties).

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Texas—Continued.

- *Trans-Pecos Area (Brewster, Culberson, El Paso, Hudspeth, Jeff Davis, Pecos, Presidio, Reeves, and Terrell Counties). 35¢.
- West Central Texas (Andrews, Borden, Coke, Concho, Crane, Dawson, Ector, Fisher, Gaines, Glasscock, Howard, Irion, Jones, Loving, Martin, Midland, Mitchell, Nolan, Reagan, Runnels, Scurry, Sterling, Taylor, Tom Green, Upton, Ward, and Winkler Counties).

Utah:

- *Ashley Valley. (Part of Uintah County). 15¢.
- Carbon County. (See Price Area.)
- *Delta Area. (Part of Millard County.) 15¢.
- Emery County. (See Price Area.)
- Millard County. (See Delta Area.)
- Price Area. (Parts of Carbon and Emery Counties.) 35¢.
- Uintah County. (See Ashley Valley and Uintah River Valley Areas.)
- Uintah River Valley Area. (Part of Uintah County.) 25¢.

Vermont:

Windsor County.

Reconnaissance

Entire State. 55¢.

Virginia:

- Albemarle County. 40¢.
- Augusta County. 40¢.
- Grayson County. 25¢.
- Halifax County. 40¢.
- Isle of Wight County. 35¢.
- Nansemond County. 30¢.
- Rockbridge County. 35¢.
- Southampton County. 15¢.

Washington:

- *Franklin County. 35¢.
- Kitsap County. 35¢.

Reconnaissance

Columbia Basin Area (Franklin County and parts of Adams, Grant, Lincoln, and Walla Walla Counties).

West Virginia:

- *Barbour and Upshur Counties. 15¢.
- *Boone County. 15¢.
- Braxton and Clay Counties. 25¢.
- Clay County. (See Braxton and Clay Counties.)
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- Grant and Mineral Counties. 25¢.
- Greenbrier County. 50¢.
- Hampshire County. 20¢.
- Hardy and Pendleton Counties. 50¢.
- Mercer County. 20¢.
- Mineral County. (See Grant and Mineral Counties.)
- Monroe County. 20¢.
- *Nicholas County. 25¢.
- Pendleton County. (See Hardy and Pendleton Counties.)
- Pocahontas County. 55¢.
- Randolph County. 40¢.
- *Summers County. 15¢.
- Tucker County. 15¢.
- *Upshur County. (See also Barbour and Upshur Counties.) 15¢.
- *Webster County. 15¢.

Wisconsin:

- Adams County. 25¢.
- Brown County. 30¢.
- *Buffalo County. 15¢.
- Calumet County. 25¢.
- Crawford County. 35¢.
- Door County.
- Green County. 20¢.

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Wisconsin—Continued.

- Green Lake County. 20¢.
 Jackson County. 25¢.
 Kenosha and Racine Counties. 25¢.
 Manitowoc County. 15¢.
 Monroe County. (*See also* Viroqua Area.) 25¢.
 Outagamie County. 35¢.
 Ozaukee County. (*See* Washington and Ozaukee Counties.)
 Pierce County. 20¢.
 Portage County. 15¢.
 *Racine County. (*See also* Kenosha and Racine Counties.) 15¢.
 Rock County.
 Sauk County. 25¢.
 Sheboygan County. 20¢.
 Trempealeau County. 25¢.
 Vernon County. (*See also* Viroqua Area.) 20¢.
 *Viroqua Area. (Parts of Monroe and Vernon Counties.) 15¢.
 Walworth County. 15¢.
 Washington and Ozaukee Counties. 25¢.
 Waupaca County. 15¢.
 Waushara County.
 Winnebago County. 20¢.

Reconnaissance

- Marinette County. 15¢.
 South Part North-Central Wisconsin. (Clark, Lincoln, Marathon, and Taylor Counties.) 15¢.

Wyoming:

- Basin Area. (Parts of Big Horn, Park, and Washakie Counties.) 60¢.
 Big Horn County. (*See* Basin and Shoshone Areas.)
 Johnson County. 60¢.
 Park County. (*See* Basin and Shoshone Areas.)
 Platte County. (*See* Wheatland Area.)
 Sheridan County. 70¢.
 Shoshone Area. (Parts of Big Horn and Park Counties.) 35¢.
 Uinta County. \$1.00.
 Washakie County. (*See* Basin Area.)
 Wheatland Area. (Part of Platte County.) 20¢.

BUREAU OF AGRICULTURAL ECONOMICS

Apply direct to the Bureau of Agricultural Economics, U. S. Department of Agriculture, Washington, D. C., for the following:

Maps:

- Regionalized types of farming. 30 by 40 inches and 9½ by 14½ inches. Colored.
 Rural cultural regions in the United States. 30 by 40 inches. Colored.

Photographic Material: (For sale only.)

Photographic prints, 8 x 10 inches, at 10¢ each are furnished on order of any maps and charts issued by the Bureau of Agricultural Economics in current publications. Enlargements 30 x 40 inches, for use as wall charts, are made to order at 75¢ each on paper and \$1.25 each mounted on cloth. List available free.

Posters:

- The land-use planning process. 9½ by 16 inches. Black and white.

EXTENSION SERVICE**FILM STRIPS**

Film strips in series cover a variety of agricultural and home economics subjects and are accompanied by supplementary notes for lecture use. A price list of available film strips which are for sale only may be obtained from the Extension Service, United States Department of Agriculture, Washington, D. C.

*For sale only by the Superintendent of Documents, Government Printing Office, Washington, D. C. See p. 3, How To Order Publications For Sale Only.

United States Department of Agriculture.

FARM CREDIT ADMINISTRATION

A limited number of copies of the following publications, except those for sale only as indicated by a star (*) are available from the Farm Credit Administration, U. S. Department of Agriculture, 212 West 14th St., Kansas City, Mo.

Farm Credit Administration Bulletins:

- 1 FCAB. Cooperative purchasing of farm supplies. 10¢.
- 2 FCAB. Accounting principles for cooperative cotton gin associations. 15¢.
- 3 FCAB. Cooperative marketing of agricultural products. 10¢.
- 4 FCAB. Cooperation in agriculture. 20¢.
- 5 FCAB. Organization and operation of the Illinois Livestock Marketing Association. 20¢.
- 6 FCAB. Statistics of farmers' cooperative business organizations, 1920-1935. 20¢.
- 7 FCAB. Cooperative marketing of range livestock. 20¢.
- *8 FCAB. Mutual irrigation companies in California and Utah. 25¢.
- 9 FCAB. Membership relations of cooperative associations. 15¢.
- 11 FCAB. Organization and operating problems of Nebraska cooperative creameries. 10¢.
- 12 FCAB. Analysis of the business operations of cooperative cotton gins in Oklahoma, 1933-34. 15¢.
- 13 FCAB. Transportation of milk in the Philadelphia milkshed. 20¢.
- 14 FCAB. Cooperative organization of Iowa farmers' creameries. 15¢.
- 15 FCAB. Contract feeding of lambs and cattle. 15¢.
- 16 FCAB. Milk cooperatives in four Ohio markets. 15¢.
- 17 FCAB. Commercial trucking of fruits and vegetables in nine Atlantic Coast States. 10¢.
- 18 FCAB. Use of motor trucks in marketing fruits and vegetables.
- 19 FCAB. Business analysis of the Utah Poultry Producers' Cooperative Association. 15¢.
- 20 FCAB. Cooperative purchasing of farm supplies in Wisconsin. 15¢.
- 21 FCAB. Farmers' mutual windstorm insurance. 10¢.
- 22 FCAB. Cooperative purchasing of farm supplies in Mississippi. 10¢.
- 23 FCAB. Problems and trends in farmers' mutual fire insurance. 10¢.
- 24 FCAB. The surplus problem in the northeastern milksheds. 15¢.
- 25 FCAB. Relative prices to producers under selected types of milk pools. 15¢.
- 26 FCAB. A statistical handbook of farmers' cooperatives. 35¢.
- 27 FCAB. Cooperative purchasing through the Illinois Farm Supply Company and its member county companies. 20¢.
- 28 FCAB. Accounting procedure for cooperative grain elevators. 25¢.
- 29 FCAB. Terminal fruit auctions as marketing agencies for farmers' cooperatives. 15¢.
- 30 FCAB. Operations of cooperative grain elevators in Kansas and Oklahoma. 10¢.
- 31 FCAB. Cooperative farm supply purchasing in the British Isles. 15¢.
- 32 FCAB. Cooperative milk marketing in Louisville and other nearby cities. 15¢.
- 33 FCAB. Cooperative marketing of fleece wool. 15¢.
- 34 FCAB. Cooperative marketing of livestock at Cincinnati. 20¢.
- 35 FCAB. Livestock auction markets in the United States. 15¢.
- 36 FCAB. Butter marketing by cooperative creameries in the Middle West. 10¢.
- 37 FCAB. Cooperative egg and poultry auction associations. 15¢.
- 38 FCAB. Cooperative purchasing by Indiana farmers. 15¢.
- 39 FCAB. Cooperative creamery accounting. 35¢.
- 40 FCAB. Cooperative grain marketing by local warehouses and elevators in the Pacific Northwest. 10¢.
- 41 FCAB. Expenses, incomes, and dividends of Oklahoma and Texas cooperative cotton gins. 10¢.
- 42 FCAB. Marketing potatoes through the Ohio Farm Bureau Cooperative Association. 10¢.
- 43 FCAB. Cooperative grain elevators in North Dakota and eastern Montana. 10¢.
- 45 FCAB. Reinsurance among farmers' mutual fire insurance companies. 10¢.
- 46 FCAB. Classification and rating of farm fire risks. 10¢.
- 48 FCAB. Sales and distribution policies of cooperative canneries in the United States. 20¢.

*For sale only by the Superintendent of Documents, Government Printing Office, Washington, D. C. See p. 3, How To Order Publications For Sale Only.

United States Department of Agriculture.

Farm Credit Administration Credit Research Bulletins:

- 1 FCACR. Agricultural credit in Germany. 15¢.
- 2 FCACR. Agricultural credit in Denmark. 15¢.
- 3 FCACR. Agricultural credit in Canada. 15¢.

Farm Credit Administration Circulars "A":

- A-16 FCA. Producer co-ops in action.
- A-17 FCA. A list of publications of the Farm Credit Administration, Washington, D. C.
- A-19 FCA. The co-op and its second generation members.
- A-20 FCA. Agricultural cooperation and national legislation.
- A-23 FCA. Publications on agricultural cooperation.

Farm Credit Administration Circulars "C":

- C-107 FCA. Refrigerated food lockers. 10¢.
- C-108 FCA. Organizing a farmers' cooperative. 10¢.
- C-110 FCA. Marketing fruits and vegetables cooperatively. 15¢.
- C-112 FCA. Development of cooperative cotton gins. 15¢.
- C-113 FCA. Farmers' retail petroleum associations. 5¢.
- C-114 FCA. Crushing cottonseed cooperatively. 10¢.
- C-115 FCA. Organization structure of farmers' elevators. 10¢.
- C-116 FCA. Cooperative marketing of dairy products. 10¢.
- C-117 FCA. South Brazil—New land of cotton. 10¢.
- C-118 FCA. Operation of country fruit and vegetable auctions. 10¢.
- C-119 FCA. Operating methods of Challenge Cream and Butter Association. 10¢.
- C-121 FCA. The citrus industry and the California Fruit Growers Exchange System. 20¢.
- C-123 FCA. Personnel management in farmers' cooperatives. 10¢.
- C-124 FCA. Distribution of milk by farmers' cooperative associations. 15¢.
- C-125 FCA. Distribution of machinery by farmers' cooperative associations. 10¢.

Farm Credit Administration Circulars "E":

- E-2 FCA. Cooperative business association loans.
- E-3 FCA. Farm production loans.
- E-4 FCA. The profitable use of farm credit.
- E-6 FCA. Using your co-op creamery. 5¢.
- E-7 FCA. Using your livestock co-op. 5¢.
- E-8 FCA. Using your co-op elevator. 5¢.
- E-9 FCA. Using your co-op gin. 5¢.
- E-10 FCA. Using your wool co-op. 5¢.
- E-11 FCA. Using your purchasing association. 5¢.
- E-12 FCA. Using your fruit and vegetable co-op. 5¢.
- E-13 FCA. Using your poultry and egg co-op. 5¢.
- E-14 FCA. Using your fluid milk co-op. 5¢.
- E-15 FCA. Insuring through your farmers' mutual. 5¢.
- E-17 FCA. Using your production credit association. 5¢.
- E-18 FCA. Sizing up your cooperative. 5¢.
- E-19 FCA. Forming farmers' cooperatives. 5¢.
- E-20 FCA. Financing farmers' cooperatives. 5¢.
- E-21 FCA. Managing farmers' cooperatives. 5¢.
- E-22 FCA. Merchandising by farmers' cooperatives. 5¢.
- E-23 FCA. The story of farmers' cooperatives. 5¢.
- E-24 FCA. Three principles of agricultural cooperation. 5¢.
- E-25 FCA. Using a local cooperative as source material for teaching. 10¢.
- E-26 FCA. Farmers need special credit facilities. 10¢.

Farm Credit Administration Leaflets:

- L-1 FCA. Cincinnati cooperative terminal livestock marketing.
- L-2 FCA. Up-to-date grain marketing in the Pacific Northwest.
- L-3 FCA. Volume as a key to successful cooperative gins.
- L-4 FCA. Cooperative possibilities in cottonseed oil mills.
- L-5 FCA. Cooperative technique in a west coast dairy regional.
- L-6 FCA. How cooperative auctions fit the poultrymen's need.
- L-7 FCA. Hoosier progress in farm supply purchasing.
- L-8 FCA. Cooperative possibilities in improving apple sales.
- L-9 FCA. How farmers' cooperatives use terminal fruit auctions.

Farm Credit Administration Popular Circulars:

- 1 FCAPC. Federal land bank and land bank commissioner loans.
- 3 FCAPC. Loans by production credit associations.

United States Department of Agriculture.

Farm Credit Administration Popular Circulars—Continued.

- 5 FCAPC. Agricultural financing through the Farm Credit Administration.
- 6 FCAPC. Loans to farmers' cooperatives.
- 8 FCAPC. Federal Farm Mortgage Corporation bonds.
- 10 FCAPC. Federal credit unions—Cooperative thrift and loan associations.
- 14 FCAPC. Selecting and financing a farm.
- 15 FCAPC. ABC's of credit for the farm family.
- 16 FCAPC. Using credit instruments.
- 17 FCAPC. The farmers' cooperative yardstick.
- 18 FCAPC. The credit road to farm ownership.
- 20 FCAPC. Laws administered by the Farm Credit Administration, as amended to July 1, 1938.
- 21 FCAPC. Short term credit—A good farm tool.
- 22 FCAPC. The Federal Credit Union Act as amended to June 16, 1938.
- 23 FCAPC. Suggestions for educational committees of Federal credit unions.
- 24 FCAPC. Rules and regulations of the Farm Credit Administration, the Federal Farm Mortgage Corporation, Federal land banks, and production credit corporations.
- 25 FCAPC. Ten close-ups of consumer credit. 15¢.
- 26 FCAPC. Let's hold better annual meetings. 10¢.

Unnumbered:

- Federal credit unions. Circular I.
- *The 6th annual report of the Farm Credit Administration, 1938. 25¢.
- *The 7th annual report of the Farm Credit Administration, 1939. 25¢.
- *The 8th annual report of the Farm Credit Administration, 1940. 30¢.

FARM SECURITY ADMINISTRATION

Apply direct to the Division of Information, Farm Security Administration, U. S. Department of Agriculture, Washington, D. C., for the following material, unless otherwise indicated. Quantity requests for free material must be accompanied by a letter citing the use to which the material is to be put.

Unnumbered:

- Co-ops for the small farmer.
- Explanation of variable payment plan for repaying tenant purchase loan.
- Facts about rehabilitation loans of the Farm Security Administration
- *Farm Security Administration. 15¢
- Farm security: The work of the Farm Security Administration.
- Farm tenant loans.
- The flexible farm lease.
- Good neighbor: An explanation of the community services program.
- Helping the farmer adjust his debts: An explanation of the Farm Debt Adjustment Program.
- Managing the small farmers' co-op. FSA-Pub. 19.
- The medical care program of Farm Security Administration borrowers. FSA-Pub. 74.
- Migrant farm labor: The problem and some efforts to meet it.
- Report of the Administrator of the Farm Security Administration, 1940. 5¢.
- *Small houses. 10¢.
- Group medical care for farmers. FSA-Pub. 75.

FOREST SERVICE

Apply direct to the Forest Service, U. S. Department of Agriculture, Washington, D. C., for the following:

Maps:

The following maps will be sent *only* to teachers and other adults engaged in some form of forest work:

- Forest regions of the United States, listing the principal trees of each region. 18 by 24 inches. Colored.
- National forests. 11¼ by 17 inches. Colored.

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United States Department of Agriculture.

Miscellaneous material:

The following miscellaneous illustrative material, most of which consists of a single sheet, is designed to instruct vacationists, sportsmen, and others in regard to good forest usage.

- M-5001. Mr. Fisherman.
- M-5063. Conservative grazing pays.
- M-5170. You who enjoy the wild beauty.
- M-5185. What chance has wildlife here?
- M-5201. Forest friend or enemy.
- M-5202. As nature made it—as man left it.
- M-5206. Causes of forest fires. (Bookmark.)
- M-5236. Forest fires ruin our homes too. (Bookmark.)
- M-5241. How to care for wild meat.
- M-5242. Pines for profit in the South.
- M-5243. Bear in mind. (Bookmark.)
- M-5244. Plant a shelterbelt. (Bookmark.)
- M-5247. How to cut timber for your steady income.
- M-5249. Mr. Hunter.

Photographic material:

The Forest Service has a collection of over 50,000 pictures of various sizes, showing characteristic growth and types of forests in the United States, various phases of forest work, forest industries, administration and use of the national forests, and related subjects. Prints of these photographs, as well as enlargements either in sepia or in black and white, may be purchased. A price list of photographic material will be sent upon request to the Forest Service, Washington, D. C.

Posters:

- Cut your timber wisely. 10¾ by 13¾ inches. Colored.
- Forest defense is National defense. (Fire.) 14 by 18 inches. Colored.
- How a tree grows. 16 by 21 inches. Colored.
- The farm woods a savings bank paying interest (of interest to Southern States). 13¼ by 21 inches. Colored.
- Your forests, your fault, your loss. (Fire.) 11¾ by 18¾ inches. Colored.
- Yours in trust. (Fire.) 13½ by 19 inches. Colored.

LIBRARY**MICROFILMS AND PHOTOSTATS**

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RURAL ELECTRIFICATION ADMINISTRATION

The following publications concerning electricity and the farm may be obtained free from the Information Division, Rural Electrification Administration, U. S. Department of Agriculture, St. Louis, Mo., unless otherwise specified.

These publications are designed to fill specific needs in a general program of rural electrification and are grouped in this list according to use. Informational literature introduces the reader to the Rural Electrification Administration, its purposes and methods. Educational literature is helpful to the Rural Electrification Administration Cooperative when it seeks to encourage uses for electricity on the farm.

INFORMATIONAL LITERATURE

A guide for members of REA cooperatives. 10¢. (Information on cooperatives, what they are and how they work, with special application to rural electric co-ops. Also includes general information on uses of electricity, electrical terms, appliance consumption, rate schedules, and do's and don'ts in handling electricity.)

Electricity for the farm through REA. (Most recent informational booklet outlining activities of the rural electrification program. Published September 1940.)

United States Department of Agriculture.

*Report of the Administrator of the Rural Electrification Administration 1941. 10¢. (An account of Rural Electrification Administration activities during the fiscal year 1941. Describes administrative methods, progress made, and includes statements and statistics on rural electrification in the various States.)

EDUCATIONAL LITERATURE

A. Pamphlets:

Profits from farm power. 10¢. (A booklet describing the many ways electricity aids farms and increases farm profits.)

Lighting equipment for the farm and farm home. (Suggestions for the farmer who is preparing to install lighting equipment in his house and about the farm. Approved types of low-cost lamps and fixtures which include the principle of shaded light are illustrated.)

Planning for farm plumbing. 10¢. (A guide to any farmer who contemplates installing a modern water system. Illustrations and text show the uses of water both in the house and on the farm, plumbing fixtures for kitchen and bathroom, water pumps and pressure tanks, water heaters, sterilizers, classes of piping, and sanitary sewage disposal. There is also a discussion of the group plan for REA financing for farm plumbing.)

Wiring check list. (A leaflet containing a table by which a farmer can quickly and accurately determine his wiring needs. It gives a definite basis for planned wiring, an advantage to both the farmer and the wiring contractor. There is also an explanation of REA financing for wiring and plumbing.)

B. Recipe Booklets:

Range recipes. (The preparation of meals on a modern electric range. Recipes are given for oven meals, surface cookery, and deep-well cookery.)

Refrigerator recipes. (The use of a refrigerator in the farm kitchen. Recipes for salads, frozen desserts, and cookies and rolls.)

Table cookery. (Uses of portable electric cooking appliances, toasters, grills, coffee makers, waffle bakers, and the electric roaster. Also a formula for a successful "kitchen party.")

C. Use-Building Leaflets:

Two- and four-page leaflets are printed from time to time usually as part of the "Rural Electrification News" (see "Periodical Publications and Mailing Lists") to call attention to home and farm uses for electricity.

They cover such subjects as wiring, plumbing, lighting, lighting fixtures, poultry-house lighting, the electric brooder, pressure water systems, the electric roaster, the electric washing machine, electric milk cooling, farm refrigeration, and various electric appliances for the farm and home. Single copies of these leaflets will be furnished upon request. Please specify subjects desired.

D. "Make It Yourself" Leaflets:

(Instructions and plans for building electrical equipment in the farm workshop.)

- The electric chick brooder.
- The electric feed mixer.
- The electric pig brooder.
- The electric stock tank water heater.
- The small portable motor.

General Contract for Rural Electrical Distribution System:

*Construction contract form. \$1.00. (The construction contract form is prepared for bidders on rural electrical distribution systems financed by Rural Electrification Administration. It contains notice to bidders, instruction to bidders, contractor's proposal, construction contract, bidder's qualifications, contractor's bond, material and construction specifications, construction drawings and plans, and description of assembly units.)

Photographic Material:

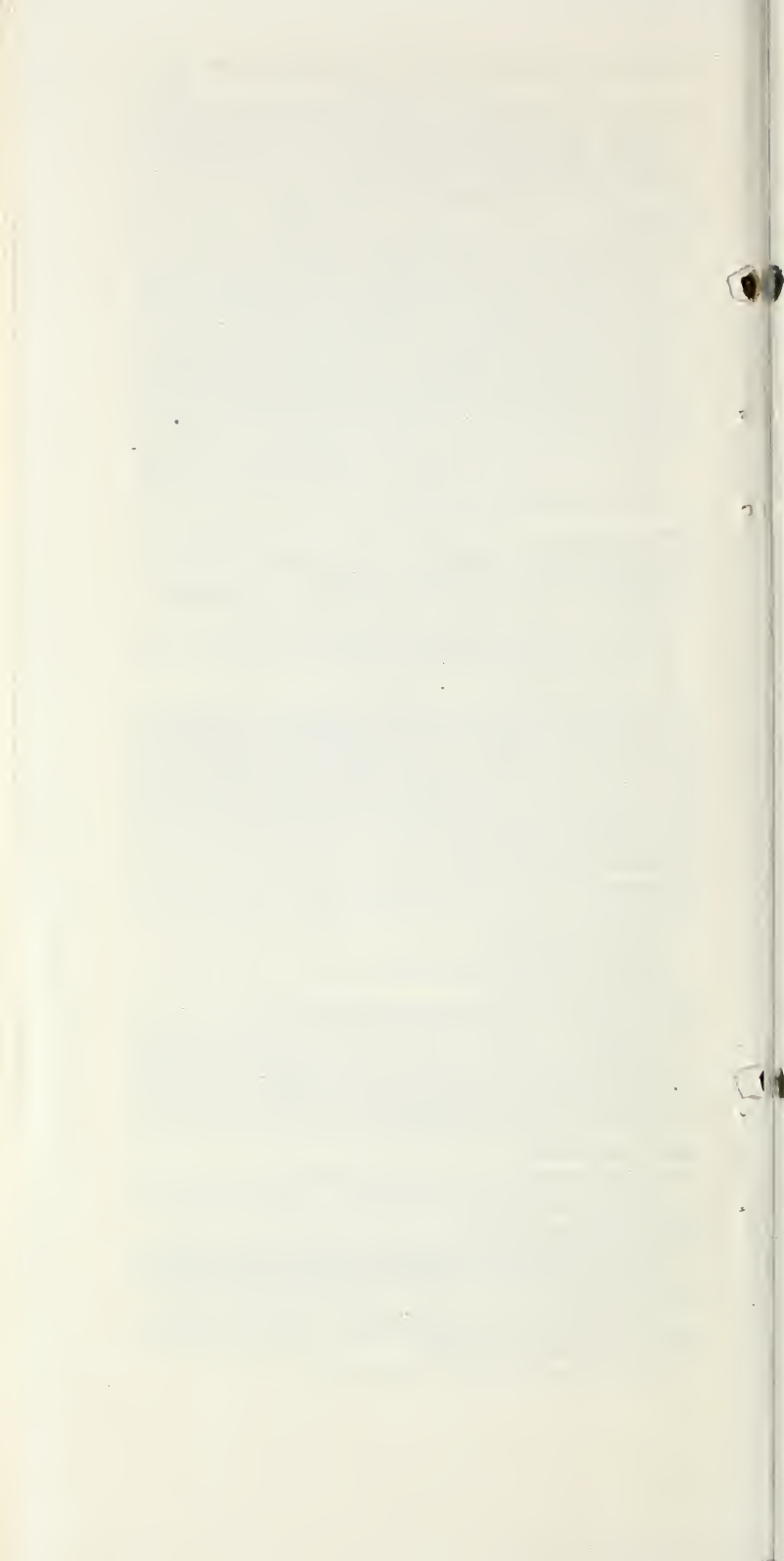
REA has a collection of several thousand pictures showing use of electricity on the farm and in the farm home, in rural industries, and in the rural community.

Posters and Exhibit Material:

From time to time REA has poster and exhibit material available on various phases of rural electrification. Since this material is changed frequently, no attempt is made to keep complete stocks of all posters.

*For sale only by the Superintendent of Documents, Government Printing Office, Washington, D. C. See p. 3, How To Order Publications For Sale Only.

United States Department of Agriculture.



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(Bulletins devoted to specific crops or animals cover practically all phases of those subjects briefly. For information on agricultural subjects not included in this list, write to the Office of Information, United States Department of Agriculture, Washington, D. C.)

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